EPA Region 5 Records Ctr.
311773

**FINAL REPORT**

# REMEDIAL INVESTIGATION REPORT

# ASHLAND/NORTHERN STATES POWER LAKEFRONT SUPERFUND SITE

## VOLUME 3 OF 12

*Prepared for*

Northern States Power Company - WI
1414 West Hamilton Avenue
Eau Claire, WI 54701

August 31, 2007

URS

6737 W. Washington Street, Suite 2265
Milwaukee, WI 53214
25688375.70000

# APPENDIX E

# LABORATORY REPORTS

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# APPENDIX E1

# SOIL SAMPLES

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NORTHERN [illegible]E SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-550
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RIFS/25688375

NLS Project: 88830
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**Soil, NS-SOGP101-2-4 NLS ID: 368374**
Ref. Line 1 COC 76406 Soil, NS-SOGP101 2-4 Matrix: SO
Collected: 04/19/05 15:25 Received: 04/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 13000 | mg/Kg DWB | 1 | 6.0 | 22 | 04/28/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.8 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.4] | mg/Kg DWB | 20 | 1.1 | 3.8 | 05/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 76 | mg/Kg DWB | 1 | 0.14 | 0.29 | 04/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.88 | mg/Kg DWB | 5 | 0.14 | 0.50 | 05/01/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.21 | 0.77 | 04/26/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 33000 | mg/Kg DWB | 10 | 43 | 86 | 04/28/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 24 | mg/Kg DWB | 1 | 0.43* | 1.5 | 05/12/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.24 | mg/Kg DWB | 2 | 0.17* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 24 | mg/Kg DWB | 1 | 0.43 | 1.5 | 04/26/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 8.8 | mg/Kg DWB | 1 | 0.40 | 1.4 | 04/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 17 | mg/Kg DWB | 1 | 0.17 | 0.63 | 04/26/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.33 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 22000 | mg/Kg DWB | 10 | 8.0 | 30 | 04/28/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [7.5] | mg/Kg DWB | 1 | 4.6 | 17 | 04/28/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 10000 | mg/Kg DWB | 10 | 43 | 86 | 04/28/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 290 | mg/Kg DWB | 1 | 0.094 | 0.29 | 04/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.090 | 0.32 | 05/03/05 | SW846 7470A | 721026460 |
| Nickel tot. recoverable as Ni by ICP | 19 | mg/Kg DWB | 1 | 1.0 | 3.6 | 04/26/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2000 | mg/Kg DWB | 1 | 10 | 37 | 04/30/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.4 | 05/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.41 | 1.5 | 04/26/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 180 | mg/Kg DWB | 1 | 0.94 | 3.4 | 04/30/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 87.5 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.7 | 05/11/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 34 | mg/Kg DWB | 1 | 0.25 | 0.91 | 04/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 37 | mg/Kg DWB | 1 | 0.19 | 0.57 | 04/26/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/22/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/27/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/27/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/22/05 | SW846 3550B | 721026460 |

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400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RIFS/25688375

NLS Project: 88830
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**Soil, NS-SQ Dup 01-0405 NLS ID: 368375**
Ref. Line 2 COC 76406 Soil, NS-SQ Dup 01-0405 Matrix: SO
Collected: 04/19/05 00:00 Received: 04/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 12000 | mg/Kg DWB | 1 | 7.5 | 28 | 04/28/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.4 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.1] | mg/Kg DWB | 20 | 0.98 | 3.5 | 05/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 70 | mg/Kg DWB | 1 | 0.18 | 0.36 | 04/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.72 | mg/Kg DWB | 5 | 0.18 | 0.63 | 05/01/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.26 | 0.97 | 04/26/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 30000 | mg/Kg DWB | 10 | 54 | 110 | 04/28/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 22 | mg/Kg DWB | 1 | 0.54* | 1.9 | 05/12/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 1.2 | mg/Kg DWB | 2 | 0.17* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 24 | mg/Kg DWB | 1 | 0.54 | 1.9 | 04/26/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 9.0 | mg/Kg DWB | 1 | 0.50 | 1.8 | 04/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 16 | mg/Kg DWB | 1 | 0.21 | 0.79 | 04/26/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.35 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 22000 | mg/Kg DWB | 10 | 10 | 37 | 04/28/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.8 | 21 | 04/28/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 10000 | mg/Kg DWB | 10 | 54 | 110 | 04/28/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 300 | mg/Kg DWB | 1 | 0.12 | 0.36 | 04/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.090 | 0.32 | 05/03/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 19 | mg/Kg DWB | 1 | 1.3 | 4.5 | 04/26/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1900 | mg/Kg DWB | 1 | 13 | 47 | 04/30/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.1 | 4.0 | 05/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.52 | 1.9 | 04/26/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 170 | mg/Kg DWB | 1 | 1.2 | 4.3 | 04/30/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 87.3 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.2 | 05/11/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 34 | mg/Kg DWB | 1 | 0.31 | 1.1 | 04/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 36 | mg/Kg DWB | 1 | 0.24 | 0.72 | 04/26/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/22/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/28/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/27/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/22/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88830
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP101-6-8 NLS ID: 368376**
Ref. Line 3 COC 76406 Soil, NS-SOGP101-6-8 Matrix: SO
Collected: 04/19/05 16:15 Received: 04/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 14000 | mg/Kg DWB | 1 | 8.0 | 30 | 04/28/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.6 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.8] | mg/Kg DWB | 20 | 1.0 | 3.7 | 05/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 96 | mg/Kg DWB | 1 | 0.19 | 0.38 | 04/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.75 | mg/Kg DWB | 5 | 0.19 | 0.67 | 05/01/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.28 | 1.0 | 04/26/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 34000 | mg/Kg DWB | 10 | 57 | 110 | 04/28/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 27 | mg/Kg DWB | 1 | 0.57* | 2.0 | 05/12/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 27 | mg/Kg DWB | 1 | 0.57 | 2.0 | 04/26/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 8.4 | mg/Kg DWB | 1 | 0.54 | 1.9 | 04/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 17 | mg/Kg DWB | 1 | 0.23 | 0.84 | 04/26/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.33 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 23000 | mg/Kg DWB | 10 | 11 | 40 | 04/28/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [13] | mg/Kg DWB | 1 | 6.2 | 23 | 04/28/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 11000 | mg/Kg DWB | 10 | 57 | 110 | 04/28/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 280 | mg/Kg DWB | 1 | 0.13 | 0.38 | 04/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.091 | 0.32 | 05/03/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 20 | mg/Kg DWB | 1 | 1.3 | 4.9 | 04/26/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2400 | mg/Kg DWB | 1 | 14 | 50 | 04/30/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.2 | 05/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.55 | 2.0 | 04/26/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 200 | mg/Kg DWB | 1 | 1.3 | 4.6 | 04/30/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 86.8 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | [1.8] | mg/Kg DWB | 20 | 1.5 | 5.5 | 05/11/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 42 | mg/Kg DWB | 1 | 0.33 | 1.2 | 04/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 40 | mg/Kg DWB | 1 | 0.26 | 0.76 | 04/26/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/22/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/27/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/27/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/22/05 | SW846 3550B | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RIFS/25688375

NLS Project: 88830
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

**Soil, NS-SOGP101-10-12 NLS ID: 368377**
Ref. Line 4 COC 76406 Soil, NS-SOGP101-10-12 Matrix: SO
Collected: 04/19/05 16:00 Received: 04/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 6600 | mg/Kg DWB | 1 | 7.4 | 28 | 04/28/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.3 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.97 | 3.4 | 05/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 39 | mg/Kg DWB | 1 | 0.18 | 0.35 | 04/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.49] | mg/Kg DWB | 5 | 0.18 | 0.62 | 05/01/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.26 | 0.95 | 04/26/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 17000 | mg/Kg DWB | 10 | 53 | 110 | 04/28/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 13 | mg/Kg DWB | 1 | 0.53* | 1.9 | 05/12/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.15* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 13 | mg/Kg DWB | 1 | 0.53 | 1.9 | 04/26/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 4.9 | mg/Kg DWB | 1 | 0.49 | 1.7 | 04/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 8.2 | mg/Kg DWB | 1 | 0.21 | 0.78 | 04/26/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.32 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 14000 | mg/Kg DWB | 10 | 9.9 | 37 | 04/28/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [9.0] | mg/Kg DWB | 1 | 5.7 | 21 | 04/28/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 8100 | mg/Kg DWB | 10 | 53 | 110 | 04/28/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 190 | mg/Kg DWB | 1 | 0.12 | 0.35 | 04/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.085 | 0.30 | 05/03/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 10 | mg/Kg DWB | 1 | 1.2 | 4.5 | 04/26/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1000 | mg/Kg DWB | 1 | 13 | 46 | 04/30/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.1 | 3.9 | 05/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.51 | 1.8 | 04/26/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 100 | mg/Kg DWB | 1 | 1.2 | 4.2 | 04/30/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 92.6 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 5.1 | 05/11/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 26 | mg/Kg DWB | 1 | 0.31 | 1.1 | 04/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 23 | mg/Kg DWB | 1 | 0.24 | 0.71 | 04/26/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/22/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/27/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/27/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/22/05 | SW846 3550B | 721026460 |

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Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88830
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP107-1-3, MS/MSD NLS ID: 368378**

Ref. Line 5 COC 76406 Soil, NS-SOGP107-1-3, MS/MSD Matrix: SO
Collected: 04/20/05 07:30 Received: 04/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 750 | mg/Kg DWB | 1 | 6.0 | 22 | 04/28/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 3.9 | 05/12/05 | SW846 7041 | 721026460 |
| | Matrix spike and spike duplicate recoveries for this sample were outside of the NLS in-house control limits at 44.9 % and 48.2 % respectively. Problem attributed to sample matrix. All other QC within limits. | | | | | | | |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.86 | 3.1 | 05/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 11 | mg/Kg DWB | 1 | 0.14 | 0.29 | 04/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot recoverable as Be by ICP | 2.2 | mg/Kg DWB | 2 | 0.057 | 0.20 | 05/01/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.21 | 0.77 | 04/26/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 330 | mg/Kg DWB | 10 | 43 | 86 | 04/28/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 2.9 | mg/Kg DWB | 1 | 0.43* | 1.5 | 05/12/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.19 | mg/Kg DWB | 2 | 0.14* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 3.1 | mg/Kg DWB | 1 | 0.43 | 1.5 | 04/26/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | [0.93] | mg/Kg DWB | 1 | 0.40 | 1.4 | 04/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 2.6 | mg/Kg DWB | 1 | 0.17 | 0.63 | 04/26/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.097] | mg/Kg DWB | 1 | 0.097 | 0.29 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 4300 | mg/Kg DWB | 10 | 8.0 | 30 | 04/28/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 4.6 | 17 | 04/28/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 360 | mg/Kg DWB | 10 | 43 | 86 | 04/28/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 43 | mg/Kg DWB | 1 | 0.095 | 0.29 | 04/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.082 | 0.29 | 05/03/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | [1.5] | mg/Kg DWB | 1 | 1.0 | 3.6 | 04/26/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 120 | mg/Kg DWB | 1 | 10 | 38 | 04/30/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.0 | 3.5 | 05/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.42 | 1.5 | 04/26/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 27 | mg/Kg DWB | 1 | 0.95 | 3.4 | 04/30/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 96.8 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.6 | 05/11/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 9.2 | mg/Kg DWB | 1 | 0.25 | 0.92 | 04/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 3.8 | mg/Kg DWB | 1 | 0.19 | 0.57 | 04/26/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/22/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/27/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/27/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/22/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 88830
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RIFS/25688375

**Soil, NS-SOGP107-6-8 NLS ID: 368379**
Ref. Line 6 COC 76406 Soil, NS-SOGP107-6-8 Matrix: SO
Collected: 04/20/05 08:00 Received: 04/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 17000 | mg/Kg DWB | 1 | 6.4 | 24 | 04/28/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.1 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.9] | mg/Kg DWB | 20 | 0.93 | 3.3 | 05/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 88 | mg/Kg DWB | 1 | 0.15 | 0.30 | 04/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.88 | mg/Kg DWB | 5 | 0.15 | 0.53 | 05/01/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.22 | 0.82 | 04/26/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 22000 | mg/Kg DWB | 10 | 45 | 91 | 04/28/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 31 | mg/Kg DWB | 1 | 0.45* | 1.6 | 05/12/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.19* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 31 | mg/Kg DWB | 1 | 0.45 | 1.6 | 04/26/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 9.7 | mg/Kg DWB | 1 | 0.42 | 1.5 | 04/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 19 | mg/Kg DWB | 1 | 0.18 | 0.67 | 04/26/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.21] | mg/Kg DWB | 1 | 0.13 | 0.39 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 25000 | mg/Kg DWB | 10 | 8.5 | 31 | 04/28/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [9.1] | mg/Kg DWB | 1 | 4.9 | 18 | 04/28/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 10000 | mg/Kg DWB | 10 | 45 | 91 | 04/28/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 320 | mg/Kg DWB | 1 | 0.10 | 0.30 | 04/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.099 | 0.35 | 05/03/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 21 | mg/Kg DWB | 1 | 1.1 | 3.8 | 04/26/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2500 | mg/Kg DWB | 1 | 11 | 40 | 04/30/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.1 | 3.8 | 05/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.44 | 1.6 | 04/26/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 190 | mg/Kg DWB | 1 | 1.0 | 3.6 | 04/30/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 79.5 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.9 | 05/11/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 40 | mg/Kg DWB | 1 | 0.26 | 0.97 | 04/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 44 | mg/Kg DWB | 1 | 0.20 | 0.61 | 04/26/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/22/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/27/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/27/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/22/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88830
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP107-10-12 NLS ID: 358380**
Ref. Line 7 COC 76406 Soil, NS-SOGP107-10-12 Matrix: SO
Collected: 04/20/05 08:10 Received: 04/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 12000 | mg/Kg DWB | 1 | 7.0 | 26 | 04/28/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.4 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.4] | mg/Kg DWB | 20 | 0.99 | 3.5 | 05/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 70 | mg/Kg DWB | 1 | 0.17 | 0.33 | 04/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.77 | mg/Kg DWB | 5 | 0.17 | 0.59 | 05/01/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.25 | 0.90 | 04/26/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 25000 | mg/Kg DWB | 10 | 50 | 100 | 04/28/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 23 | mg/Kg DWB | 1 | 0.50* | 1.8 | 05/12/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.16* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 23 | mg/Kg DWB | 1 | 0.50 | 1.8 | 04/26/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 9.1 | mg/Kg DWB | 1 | 0.47 | 1.6 | 04/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 17 | mg/Kg DWB | 1 | 0.20 | 0.74 | 04/26/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.10 | 0.31 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 23000 | mg/Kg DWB | 10 | 9.4 | 35 | 04/28/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [7.9] | mg/Kg DWB | 1 | 5.4 | 20 | 04/28/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 11000 | mg/Kg DWB | 10 | 50 | 100 | 04/28/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 310 | mg/Kg DWB | 1 | 0.11 | 0.33 | 04/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.087 | 0.31 | 05/03/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 19 | mg/Kg DWB | 1 | 1.2 | 4.3 | 04/26/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2000 | mg/Kg DWB | 1 | 12 | 44 | 04/30/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | [1.2] | mg/Kg DWB | 20 | 1.2 | 4.0 | 05/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.49 | 1.7 | 04/26/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 180 | mg/Kg DWB | 1 | 1.1 | 4.0 | 04/30/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 90.9 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.2 | 05/11/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 38 | mg/Kg DWB | 1 | 0.29 | 1.1 | 04/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 38 | mg/Kg DWB | 1 | 0.22 | 0.67 | 04/26/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/22/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/27/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/27/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/22/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88830
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP110-1-3 NLS ID: 368381**
Ref. Line 8 COC 76406 Soil, NS-SOGP110-1-3 Matrix: SO
Collected: 04/20/05 08:30 Received: 04/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 11000 | mg/Kg DWB | 1 | 8.8 | 33 | 04/28/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [1.5] | mg/Kg DWB | 20 | 1.5 | 5.3 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 13 | mg/Kg DWB | 20 | 1.2 | 4.2 | 05/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 74 | mg/Kg DWB | 1 | 0.21 | 0.42 | 04/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | ND | mg/Kg DWB | 10 | 0.42 | 1.5 | 05/01/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.31 | 1.1 | 04/26/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 7400 | mg/Kg DWB | 10 | 63 | 130 | 04/28/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 27 | mg/Kg DWB | 1 | 0.63* | 2.2 | 05/12/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.18* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 27 | mg/Kg DWB | 1 | 0.63 | 2.2 | 04/26/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 9.3 | mg/Kg DWB | 1 | 0.59 | 2.1 | 04/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 45 | mg/Kg DWB | 1 | 0.25 | 0.92 | 04/26/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 0.86 | mg/Kg DWB | 1 | 0.11 | 0.33 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 40000 | mg/Kg DWB | 10 | 12 | 44 | 04/28/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 4000 | mg/Kg DWB | 10 | 68 | 250 | 04/28/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 5900 | mg/Kg DWB | 10 | 63 | 130 | 04/28/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 300 | mg/Kg DWB | 1 | 0.14 | 0.42 | 04/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | 0.56 | mg/Kg DWB | 1 | 0.098 | 0.35 | 05/03/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 26 | mg/Kg DWB | 1 | 1.5 | 5.3 | 04/26/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1500 | mg/Kg DWB | 1 | 15 | 55 | 04/30/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | [2.7] | mg/Kg DWB | 20 | 1.4 | 4.8 | 05/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.61 | 2.2 | 04/26/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 200 | mg/Kg DWB | 1 | 1.4 | 5.0 | 04/30/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 81.0 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.8 | 6.3 | 05/11/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 30 | mg/Kg DWB | 1 | 0.36 | 1.3 | 04/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 110 | mg/Kg DWB | 1 | 0.28 | 0.84 | 04/26/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/22/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/27/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/27/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/22/05 | SW846 3550B | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RIFS/25688375

NLS Project: 88830
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

**Soil, NS-SOGP110-8-10 NLS ID: 3683382**
Ref. Line 9 COC 76406 Soil, NS-SOGP110-8-10 Matrix: SO
Collected: 04/20/05 09:15 Received: 04/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 14000 | mg/Kg DWB | 1 | 7.0 | 26 | 04/28/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.6 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.6] | mg/Kg DWB | 20 | 1.2 | 4.4 | 05/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 81 | mg/Kg DWB | 1 | 0.17 | 0.33 | 04/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.79 | mg/Kg DWB | 5 | 0.17 | 0.58 | 05/01/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.25 | 0.90 | 04/26/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 32000 | mg/Kg DWB | 10 | 50 | 100 | 04/28/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 26 | mg/Kg DWB | 1 | 0.50* | 1.8 | 05/12/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 26 | mg/Kg DWB | 1 | 0.50 | 1.8 | 04/26/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 9.4 | mg/Kg DWB | 1 | 0.47 | 1.6 | 04/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 18 | mg/Kg DWB | 1 | 0.20 | 0.74 | 04/26/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.14] | mg/Kg DWB | 1 | 0.12 | 0.35 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 23000 | mg/Kg DWB | 10 | 9.4 | 35 | 04/28/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [15] | mg/Kg DWB | 1 | 5.4 | 20 | 04/28/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 12000 | mg/Kg DWB | 10 | 50 | 100 | 04/28/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 340 | mg/Kg DWB | 1 | 0.11 | 0.33 | 04/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.096 | 0.34 | 05/03/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 20 | mg/Kg DWB | 1 | 1.2 | 4.2 | 04/26/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2300 | mg/Kg DWB | 1 | 12 | 44 | 04/30/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.5 | 5.0 | 05/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | 3.5 | mg/Kg DWB | 1 | 0.48 | 1.7 | 04/26/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 200 | mg/Kg DWB | 1 | 1.1 | 4.0 | 04/30/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 81.9 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.9 | 6.6 | 05/11/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 36 | mg/Kg DWB | 1 | 0.29 | 1.1 | 04/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 41 | mg/Kg DWB | 1 | 0.22 | 0.67 | 04/26/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/22/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/27/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/27/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/22/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RIFS/25688375

NLS Project: 88830
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

**Soil, NS-SOGP110-12-14 NLS ID: 368383**
Ref. Line 10 COC 76406 Soil, NS-SOGP110-12-14 Matrix: SO
Collected: 04/20/05 09:25 Received: 04/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 15000 | mg/Kg DWB | 1 | 7.0 | 26 | 04/28/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.7 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.0] | mg/Kg DWB | 20 | 1.0 | 3.7 | 05/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 85 | mg/Kg DWB | 1 | 0.17 | 0.33 | 04/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.62 | mg/Kg DWB | 5 | 0.17 | 0.58 | 05/01/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.25 | 0.90 | 04/26/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 55000 | mg/Kg DWB | 100 | 500 | 1000 | 04/28/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 30 | mg/Kg DWB | 1 | 0.50* | 1.8 | 05/12/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.18* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 30 | mg/Kg DWB | 1 | 0.50 | 1.8 | 04/26/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 10 | mg/Kg DWB | 1 | 0.47 | 1.6 | 04/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 20 | mg/Kg DWB | 1 | 0.20 | 0.73 | 04/26/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.13 | 0.38 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 24000 | mg/Kg DWB | 10 | 9.4 | 35 | 04/28/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [13] | mg/Kg DWB | 1 | 5.4 | 20 | 04/28/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 16000 | mg/Kg DWB | 10 | 50 | 100 | 04/28/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 370 | mg/Kg DWB | 1 | 0.11 | 0.33 | 04/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.098 | 0.35 | 05/03/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 22 | mg/Kg DWB | 1 | 1.2 | 4.2 | 04/26/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2400 | mg/Kg DWB | 1 | 12 | 44 | 04/30/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.2 | 05/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.48 | 1.7 | 04/26/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 250 | mg/Kg DWB | 1 | 1.1 | 4.0 | 04/30/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 80.5 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.5 | 05/11/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 36 | mg/Kg DWB | 1 | 0.29 | 1.1 | 04/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 41 | mg/Kg DWB | 1 | 0.22 | 0.67 | 04/26/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/22/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/27/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/27/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/22/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88830
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SQ Dup 02-0405 NLS ID: 368384**
Ref. Line 1 COC 76407 Soil, NS-SQ Dup 02-0405 Matrix: SO
*Collected: 04/20/05 00:00 Received: 04/21/05*

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 6200 | mg/Kg DWB | 1 | 8.1 | 30 | 04/28/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 40 | 2.6 | 9.4 | 05/12/05 | SW846 7041 | 721026460 |
| | Digested spikes were outside of control limits. Analytical (post-digest) spikes were performed on the diluted matrix with satisfactory results. | | | | | | | |
| Arsenic, tot. recoverable as As by furnace AAS | 5.6 | mg/Kg DWB | 20 | 1.0 | 3.7 | 05/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 150 | mg/Kg DWB | 1 | 0.19 | 0.38 | 04/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.82 | mg/Kg DWB | 5 | 0.19 | 0.67 | 05/01/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.28 | 1.0 | 04/26/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 13000 | mg/Kg DWB | 10 | 58 | 120 | 04/28/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 12 | mg/Kg DWB | 1 | 0.58* | 2.0 | 05/12/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.16* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 12 | mg/Kg DWB | 1 | 0.58 | 2.0 | 04/26/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.3 | mg/Kg DWB | 1 | 0.54 | 1.9 | 04/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 290 | mg/Kg DWB | 1 | 0.23 | 0.84 | 04/26/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 1.5 | mg/Kg DWB | 1 | 0.12 | 0.36 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 19000 | mg/Kg DWB | 10 | 11 | 40 | 04/28/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 150 | mg/Kg DWB | 1 | 6.2 | 23 | 04/28/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 3100 | mg/Kg DWB | 10 | 58 | 120 | 04/28/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 360 | mg/Kg DWB | 1 | 0.13 | 0.38 | 04/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | [0.30] | mg/Kg DWB | 1 | 0.091 | 0.32 | 05/03/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 13 | mg/Kg DWB | 1 | 1.3 | 4.9 | 04/26/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1100 | mg/Kg DWB | 1 | 14 | 50 | 04/30/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | [1.2] | mg/Kg DWB | 20 | 1.2 | 4.2 | 05/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.56 | 2.0 | 04/26/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 230 | mg/Kg DWB | 1 | 1.3 | 4.6 | 04/30/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 87.1 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.5 | 05/11/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 20 | mg/Kg DWB | 1 | 0.33 | 1.2 | 04/27/05 | SW846 6010 | 721026460 |
| Zinc tot. recoverable as Zn by ICP | 84 | mg/Kg DWB | 1 | 0.26 | 0.77 | 04/26/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/22/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/26/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/27/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/22/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88830
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP113-1-3 NLS ID: 368385**
Ref. Line 2 COC 76407 Soil, NS-SOGP113-1-3 Matrix: SO
Collected: 04/20/05 09:45 Received: 04/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 7700 | mg/Kg DWB | 1 | 7.5 | 28 | 04/28/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 5.0 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.7] | mg/Kg DWB | 20 | 1.1 | 4.0 | 05/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 130 | mg/Kg DWB | 1 | 0.18 | 0.36 | 04/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.43] | mg/Kg DWB | 5 | 0.18 | 0.63 | 05/01/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | [0.27] | mg/Kg DWB | 1 | 0.26 | 0.97 | 04/26/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 21000 | mg/Kg DWB | 10 | 54 | 110 | 04/28/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 11 | mg/Kg DWB | 1 | 0.54* | 1.9 | 05/12/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.16* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 11 | mg/Kg DWB | 1 | 0.54 | 1.9 | 04/26/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 5.1 | mg/Kg DWB | 1 | 0.50 | 1.8 | 04/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 98 | mg/Kg DWB | 1 | 0.21 | 0.79 | 04/26/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.30] | mg/Kg DWB | 1 | 0.12 | 0.35 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 18000 | mg/Kg DWB | 10 | 10 | 37 | 04/28/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 320 | mg/Kg DWB | 1 | 5.8 | 21 | 04/28/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 3800 | mg/Kg DWB | 10 | 54 | 110 | 04/28/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 510 | mg/Kg DWB | 1 | 0.12 | 0.36 | 04/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | [0.14] | mg/Kg DWB | 1 | 0.090 | 0.32 | 05/03/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 11 | mg/Kg DWB | 1 | 1.3 | 4.5 | 04/26/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2200 | mg/Kg DWB | 1 | 13 | 47 | 04/30/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | [1.9] | mg/Kg DWB | 20 | 1.3 | 4.6 | 05/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.52 | 1.9 | 04/26/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 800 | mg/Kg DWB | 1 | 1.2 | 4.3 | 04/30/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 87.4 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.7 | 6.0 | 05/11/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 20 | mg/Kg DWB | 1 | 0.31 | 1.1 | 04/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 68 | mg/Kg DWB | 1 | 0.24 | 0.72 | 04/26/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/22/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/27/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/28/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/25/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88830
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP113-8-10 NLS ID: 363386**
Ref. Line 3 COC 76407 Soil, NS-SOGP113-8-10 Matrix: SO
Collected: 04/20/05 10:40 Received: 04/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 10000 | mg/Kg DWB | 1 | 6.8 | 25 | 04/28/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.9 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 3.8 | 05/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 63 | mg/Kg DWB | 1 | 0.16 | 0.32 | 04/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.65 | mg/Kg DWB | 5 | 0.16 | 0.57 | 05/01/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.24 | 0.88 | 04/26/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 11000 | mg/Kg DWB | 10 | 49 | 97 | 04/28/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 19 | mg/Kg DWB | 1 | 0.49* | 1.7 | 05/12/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 19 | mg/Kg DWB | 1 | 0.49 | 1.7 | 04/26/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.7 | mg/Kg DWB | 1 | 0.45 | 1.6 | 04/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 13 | mg/Kg DWB | 1 | 0.19 | 0.71 | 04/26/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.10 | 0.31 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 18000 | mg/Kg DWB | 10 | 9.1 | 34 | 04/28/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [8.4] | mg/Kg DWB | 1 | 5.3 | 19 | 04/28/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 6600 | mg/Kg DWB | 10 | 49 | 97 | 04/28/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 200 | mg/Kg DWB | 1 | 0.11 | 0.32 | 04/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.092 | 0.33 | 05/03/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 15 | mg/Kg DWB | 1 | 1.1 | 4.1 | 04/26/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1500 | mg/Kg DWB | 1 | 12 | 43 | 04/30/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.4 | 05/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.47 | 1.7 | 04/26/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 100 | mg/Kg DWB | 1 | 1.1 | 3.9 | 04/30/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 85.6 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.7 | 05/11/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 30 | mg/Kg DWB | 1 | 0.28 | 1.0 | 04/27/05 | SW846 6010 | 721026460 |
| Zinc tot. recoverable as Zn by ICP | 31 | mg/Kg DWB | 1 | 0.22 | 0.65 | 04/26/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/22/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/26/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/28/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/25/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88830**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

**Soil, NS-SOGP113-12-14 NLS ID: 368387**
Ref. Line 4 COC 76407 Soil, NS-SOGP113-12-14 Matrix: SO
Collected: 04/20/05 10:50 Received: 04/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 9900 | mg/Kg DWB | 1 | 6.4 | 24 | 04/28/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.6 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.6] | mg/Kg DWB | 20 | 1.0 | 3.7 | 05/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 56 | mg/Kg DWB | 1 | 0.15 | 0.30 | 04/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.58 | mg/Kg DWB | 5 | 0.15 | 0.53 | 05/01/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.22 | 0.82 | 04/26/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 19000 | mg/Kg DWB | 10 | 45 | 91 | 04/28/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 19 | mg/Kg DWB | 1 | 0.45* | 1.6 | 05/12/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.18* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 19 | mg/Kg DWB | 1 | 0.45 | 1.6 | 04/26/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.0 | mg/Kg DWB | 1 | 0.42 | 1.5 | 04/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 13 | mg/Kg DWB | 1 | 0.18 | 0.67 | 04/26/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.11] | mg/Kg DWB | 1 | 0.11 | 0.34 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 19000 | mg/Kg DWB | 10 | 8.5 | 31 | 04/28/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [12] | mg/Kg DWB | 1 | 4.9 | 18 | 04/28/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 8200 | mg/Kg DWB | 10 | 45 | 91 | 04/28/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 290 | mg/Kg DWB | 1 | 0.10 | 0.30 | 04/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.092 | 0.33 | 05/03/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 15 | mg/Kg DWB | 1 | 1.1 | 3.8 | 04/26/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1500 | mg/Kg DWB | 1 | 11 | 40 | 04/30/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.2 | 05/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.44 | 1.6 | 04/26/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 130 | mg/Kg DWB | 1 | 1.0 | 3.6 | 04/30/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 85.9 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.5 | 05/11/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 33 | mg/Kg DWB | 1 | 0.26 | 0.97 | 04/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 33 | mg/Kg DWB | 1 | 0.20 | 0.61 | 04/26/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/22/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/26/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/28/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/25/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88830
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP116-2-4 NLS ID: 368388**
Ref. Line 5 COC 76407 Soil, NS-SOGP116-2-4 Matrix: SO
Collected: 04/20/05 11:00 Received: 04/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 11000 | mg/Kg DWB | 1 | 7.2 | 27 | 04/28/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.5 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.0] | mg/Kg DWB | 20 | 1.0 | 3.5 | 05/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 93 | mg/Kg DWB | 1 | 0.17 | 0.34 | 04/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.64 | mg/Kg DWB | 5 | 0.17 | 0.60 | 05/01/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | [0.35] | mg/Kg DWB | 1 | 0.25 | 0.93 | 04/26/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 32000 | mg/Kg DWB | 10 | 52 | 100 | 04/28/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 17 | mg/Kg DWB | 1 | 0.52* | 1.8 | 05/12/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 2.4 | mg/Kg DWB | 2 | 0.19* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 19 | mg/Kg DWB | 1 | 0.52 | 1.8 | 04/26/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.5 | mg/Kg DWB | 1 | 0.48 | 1.7 | 04/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 24 | mg/Kg DWB | 1 | 0.20 | 0.76 | 04/26/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.34 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 20000 | mg/Kg DWB | 10 | 9.6 | 36 | 04/28/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 25 | mg/Kg DWB | 1 | 5.6 | 20 | 04/28/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 8700 | mg/Kg DWB | 10 | 52 | 100 | 04/28/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 510 | mg/Kg DWB | 1 | 0.11 | 0.34 | 04/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | 0.66 | mg/Kg DWB | 1 | 0.098 | 0.35 | 05/03/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 15 | mg/Kg DWB | 1 | 1.2 | 4.4 | 04/26/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2100 | mg/Kg DWB | 1 | 12 | 45 | 04/30/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.1 | 05/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.50 | 1.8 | 04/26/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 200 | mg/Kg DWB | 1 | 1.1 | 4.1 | 04/30/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 80.7 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.3 | 05/11/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 33 | mg/Kg DWB | 1 | 0.30 | 1.1 | 04/27/05 | SW846 6010 | 721026460 |
| Zinc tot. recoverable as Zn by ICP | 59 | mg/Kg DWB | 1 | 0.23 | 0.69 | 04/26/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/22/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/26/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/28/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/25/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88830
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP116-8-10 NLS ID: 368389**
Ref. Line 6 COC 76407 Soil, NS-SOGP116-8-10 Matrix: SO
Collected: 04/20/05 11:40 Received: 04/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 9700 | mg/Kg DWB | 1 | 6.6 | 24 | 04/28/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 0.99 | 3.5 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.3] | mg/Kg DWB | 20 | 0.79 | 2.8 | 05/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 66 | mg/Kg DWB | 1 | 0.16 | 0.31 | 04/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.52] | mg/Kg DWB | 5 | 0.16 | 0.55 | 05/01/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.23 | 0.85 | 04/26/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 19000 | mg/Kg DWB | 10 | 47 | 94 | 04/28/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 18 | mg/Kg DWB | 1 | 0.47* | 1.7 | 05/12/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 18 | mg/Kg DWB | 1 | 0.47 | 1.7 | 04/26/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.9 | mg/Kg DWB | 1 | 0.44 | 1.5 | 04/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 13 | mg/Kg DWB | 1 | 0.19 | 0.69 | 04/26/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.32 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 18000 | mg/Kg DWB | 10 | 8.8 | 33 | 04/28/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [6.0] | mg/Kg DWB | 1 | 5.1 | 19 | 04/28/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 8200 | mg/Kg DWB | 10 | 47 | 94 | 04/28/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 240 | mg/Kg DWB | 1 | 0.10 | 0.31 | 04/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.092 | 0.33 | 05/03/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 15 | mg/Kg DWB | 1 | 1.1 | 4.0 | 04/26/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1600 | mg/Kg DWB | 1 | 11 | 41 | 04/30/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.92 | 3.2 | 05/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.45 | 1.6 | 04/26/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 130 | mg/Kg DWB | 1 | 1.0 | 3.8 | 04/30/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 86.0 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.2 | 05/11/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 32 | mg/Kg DWB | 1 | 0.27 | 1.0 | 04/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 32 | mg/Kg DWB | 1 | 0.21 | 0.63 | 04/26/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/22/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/26/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/28/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/25/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88830
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP116-14-16 NLS ID: 368390**
Ref. Line 7 COC 76407 Soil, NS-SOGP116-14-16 Matrix: SO
Collected: 04/20/05 11:50 Received: 04/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 14000 | mg/Kg DWB | 1 | 7.9 | 29 | 04/28/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.2 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.1] | mg/Kg DWB | 20 | 1.2 | 4.1 | 05/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 100 | mg/Kg DWB | 1 | 0.19 | 0.38 | 04/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.51] | mg/Kg DWB | 5 | 0.19 | 0.66 | 05/01/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.28 | 1.0 | 04/26/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 3700 | mg/Kg DWB | 10 | 56 | 110 | 04/28/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 27 | mg/Kg DWB | 1 | 0.56* | 2.0 | 05/12/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.25 | mg/Kg DWB | 2 | 0.18* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 27 | mg/Kg DWB | 1 | 0.56 | 2.0 | 04/26/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 10 | mg/Kg DWB | 1 | 0.53 | 1.8 | 04/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 14 | mg/Kg DWB | 1 | 0.22 | 0.83 | 04/26/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.21] | mg/Kg DWB | 1 | 0.12 | 0.36 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 22000 | mg/Kg DWB | 10 | 11 | 39 | 04/28/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [12] | mg/Kg DWB | 1 | 6.1 | 22 | 04/28/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 5900 | mg/Kg DWB | 10 | 56 | 110 | 04/28/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 310 | mg/Kg DWB | 1 | 0.12 | 0.38 | 04/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.098 | 0.35 | 05/03/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 18 | mg/Kg DWB | 1 | 1.3 | 4.8 | 04/26/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1700 | mg/Kg DWB | 1 | 14 | 49 | 04/30/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.4 | 4.7 | 05/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.55 | 2.0 | 04/26/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 94 | mg/Kg DWB | 1 | 1.2 | 4.5 | 04/30/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 80.8 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.7 | 6.1 | 05/11/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 35 | mg/Kg DWB | 1 | 0.33 | 1.2 | 04/27/05 | SW846 6010 | 721026460 |
| Zinc tot. recoverable as Zn by ICP | 81 | mg/Kg DWB | 1 | 0.25 | 0.75 | 04/26/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/22/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/26/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/28/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/25/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 88830
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP108-1-3 NLS ID: 368391**
Ref. Line 8 COC 76407 Soil, NS-SOGP108-1-3 Matrix: SO
Collected: 04/20/05 12:10 Received: 04/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 6100 | mg/Kg DWB | 1 | 7.0 | 26 | 04/28/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.6 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 7.6 | mg/Kg DWB | 20 | 1.0 | 3.6 | 05/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 110 | mg/Kg DWB | 1 | 0.17 | 0.33 | 04/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.90 | mg/Kg DWB | 5 | 0.17 | 0.58 | 05/01/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.25 | 0.90 | 04/26/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 15000 | mg/Kg DWB | 10 | 50 | 99 | 04/28/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 11 | mg/Kg DWB | 1 | 0.50* | 1.8 | 05/12/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.15* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 11 | mg/Kg DWB | 1 | 0.50 | 1.8 | 04/26/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 5.6 | mg/Kg DWB | 1 | 0.46 | 1.6 | 04/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 94 | mg/Kg DWB | 1 | 0.20 | 0.73 | 04/26/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.24] | mg/Kg DWB | 1 | 0.11 | 0.33 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 19000 | mg/Kg DWB | 10 | 9.3 | 34 | 04/28/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 140 | mg/Kg DWB | 1 | 5.4 | 20 | 04/28/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 3700 | mg/Kg DWB | 10 | 50 | 99 | 04/28/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 380 | mg/Kg DWB | 1 | 0.11 | 0.33 | 04/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | 0.84 | mg/Kg DWB | 1 | 0.087 | 0.31 | 05/03/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 13 | mg/Kg DWB | 1 | 1.2 | 4.2 | 04/26/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1200 | mg/Kg DWB | 1 | 12 | 43 | 04/30/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | [1.4] | mg/Kg DWB | 20 | 1.2 | 4.1 | 05/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.48 | 1.7 | 04/26/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 220 | mg/Kg DWB | 1 | 1.1 | 4.0 | 04/30/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 90.3 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.4 | 05/11/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 19 | mg/Kg DWB | 1 | 0.29 | 1.1 | 04/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 95 | mg/Kg DWB | 1 | 0.22 | 0.66 | 04/26/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/22/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/26/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/28/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/25/05 | SW846 3550B | 721026460 |

NORTHERN [illegible]E SERVICE, INC.
*Analytical Laboratory and Environmental Services*
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
*WDATCP Laboratory Certification No. 105-330*
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88830
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP108-8-10 NLS ID: 368392**
Ref. Line 9 COC 76407 Soil, NS-SOGP108-8-10 Matrix: SO
Collected: 04/20/05 12:30 Received: 04/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 13000 | mg/Kg DWB | 1 | 10 | 37 | 04/28/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.7 | 6.2 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.8] | mg/Kg DWB | 20 | 1.4 | 4.9 | 05/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 68 | mg/Kg DWB | 1 | 0.24 | 0.48 | 04/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.45] | mg/Kg DWB | 5 | 0.24 | 0.84 | 05/01/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.35 | 1.3 | 04/26/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 23000 | mg/Kg DWB | 10 | 72 | 140 | 04/28/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 25 | mg/Kg DWB | 1 | 0.72* | 2.5 | 05/12/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.23 | mg/Kg DWB | 2 | 0.22* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 26 | mg/Kg DWB | 1 | 0.72 | 2.5 | 04/26/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 9.4 | mg/Kg DWB | 1 | 0.67 | 2.3 | 04/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 16 | mg/Kg DWB | 1 | 0.28 | 1.1 | 04/26/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.27] | mg/Kg DWB | 1 | 0.15 | 0.44 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron tot. recoverable as Fe by ICP | 22000 | mg/Kg DWB | 10 | 13 | 50 | 04/28/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [10] | mg/Kg DWB | 1 | 7.7 | 28 | 04/28/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 8100 | mg/Kg DWB | 10 | 72 | 140 | 04/28/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 220 | mg/Kg DWB | 1 | 0.16 | 0.48 | 04/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.40 | 05/03/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 18 | mg/Kg DWB | 1 | 1.7 | 6.1 | 04/26/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1800 | mg/Kg DWB | 1 | 17 | 63 | 04/30/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | [2.1] | mg/Kg DWB | 20 | 1.6 | 5.6 | 05/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.69 | 2.5 | 04/26/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 150 | mg/Kg DWB | 1 | 1.6 | 5.7 | 04/30/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 69.3 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 2.1 | 7.3 | 05/11/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 32 | mg/Kg DWB | 1 | 0.42 | 1.5 | 04/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 37 | mg/Kg DWB | 1 | 0.32 | 0.96 | 04/26/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/22/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/26/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/28/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/25/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 88830
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP108-13-15 NLS ID: 368393**
Ref. Line 10 COC 76407 Soil, NS-SOGP108-13-15 Matrix: SO
Collected: 04/20/05 13:00 Received: 04/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 14000 | mg/Kg DWB | 1 | 6.7 | 25 | 04/28/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.8 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.6] | mg/Kg DWB | 20 | 1.1 | 3.8 | 05/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 85 | mg/Kg DWB | 1 | 0.16 | 0.32 | 04/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.74 | mg/Kg DWB | 5 | 0.16 | 0.56 | 05/01/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.24 | 0.86 | 04/26/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 69000 | mg/Kg DWB | 100 | 480 | 960 | 04/28/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 27 | mg/Kg DWB | 1 | 0.48* | 1.7 | 05/12/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.19* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 27 | mg/Kg DWB | 1 | 0.48 | 1.7 | 04/26/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.3 | mg/Kg DWB | 1 | 0.45 | 1.6 | 04/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 18 | mg/Kg DWB | 1 | 0.19 | 0.70 | 04/26/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.14] | mg/Kg DWB | 1 | 0.12 | 0.36 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 20000 | mg/Kg DWB | 10 | 9.0 | 33 | 04/28/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [9.5] | mg/Kg DWB | 1 | 5.2 | 19 | 04/28/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 16000 | mg/Kg DWB | 10 | 48 | 96 | 04/28/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 310 | mg/Kg DWB | 1 | 0.11 | 0.32 | 04/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.10 | 0.36 | 05/03/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 18 | mg/Kg DWB | 1 | 1.1 | 4.1 | 04/26/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2200 | mg/Kg DWB | 1 | 12 | 42 | 04/30/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.3 | 05/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.46 | 1.7 | 04/26/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 210 | mg/Kg DWB | 1 | 1.1 | 3.8 | 04/30/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 77.8 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.6 | 05/11/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 32 | mg/Kg DWB | 1 | 0.28 | 1.0 | 04/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 37 | mg/Kg DWB | 1 | 0.21 | 0.64 | 04/26/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/22/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/26/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/28/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/25/05 | SW846 3550B | 721026460 |

NORTHERN[illegible].E SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88830
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP111-2-4 NLS ID: 368394**
Ref. Line 1 COC 76408 Soil, NS-SOGP111-2-4 Matrix: SO
Collected: 04/20/05 13:15 Received: 04/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 8400 | mg/Kg DWB | 1 | 7.8 | 29 | 04/28/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.7 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 4.4 | mg/Kg DWB | 20 | 1.0 | 3.7 | 05/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 190 | mg/Kg DWB | 1 | 0.19 | 0.37 | 04/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.56] | mg/Kg DWB | 5 | 0.19 | 0.65 | 05/01/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | [0.33] | mg/Kg DWB | 1 | 0.28 | 1.0 | 04/26/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 35000 | mg/Kg DWB | 10 | 56 | 110 | 04/28/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 14 | mg/Kg DWB | 1 | 0.56* | 2.0 | 05/12/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.18* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 14 | mg/Kg DWB | 1 | 0.56 | 2.0 | 04/26/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.1 | mg/Kg DWB | 1 | 0.52 | 1.8 | 04/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 140 | mg/Kg DWB | 1 | 0.22 | 0.82 | 04/26/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.35 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 13000 | mg/Kg DWB | 10 | 10 | 39 | 04/28/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 300 | mg/Kg DWB | 1 | 6.0 | 22 | 04/28/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 4900 | mg/Kg DWB | 10 | 56 | 110 | 04/28/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 1100 | mg/Kg DWB | 1 | 0.12 | 0.37 | 04/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.094 | 0.33 | 05/03/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 14 | mg/Kg DWB | 1 | 1.3 | 4.7 | 04/26/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2900 | mg/Kg DWB | 1 | 13 | 49 | 04/30/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.2 | 05/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.54 | 1.9 | 04/26/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 330 | mg/Kg DWB | 1 | 1.2 | 4.5 | 04/30/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 84.4 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.5 | 05/11/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 23 | mg/Kg DWB | 1 | 0.32 | 1.2 | 04/27/05 | SW846 6010 | 721026460 |
| Zinc tot. recoverable as Zn by ICP | 110 | mg/Kg DWB | 1 | 0.25 | 0.75 | 04/26/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/22/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/27/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/28/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/25/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RIFS/25688375

NLS Project: 88830
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**Soil, NS-SOGP111-8-10 NLS ID: 368395**
Ref. Line 2 COC 76408 Soil, NS-SOGP111-8-10 Matrix: SO
Collected: 04/20/05 14:20 Received: 04/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 14000 | mg/Kg DWB | 1 | 5.6 | 21 | 04/28/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.2 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.6] | mg/Kg DWB | 20 | 0.94 | 3.3 | 05/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 79 | mg/Kg DWB | 1 | 0.13 | 0.27 | 04/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.86] | mg/Kg DWB | 10 | 0.27 | 0.94 | 05/01/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.20 | 0.72 | 04/26/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 52000 | mg/Kg DWB | 100 | 400 | 800 | 04/28/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 27 | mg/Kg DWB | 1 | 0.40* | 1.4 | 05/12/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.18* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 27 | mg/Kg DWB | 1 | 0.40 | 1.4 | 04/26/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 8.3 | mg/Kg DWB | 1 | 0.38 | 1.3 | 04/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 18 | mg/Kg DWB | 1 | 0.16 | 0.59 | 04/26/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.37 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 22000 | mg/Kg DWB | 10 | 7.5 | 28 | 04/28/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [12] | mg/Kg DWB | 1 | 4.3 | 16 | 04/28/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 16000 | mg/Kg DWB | 10 | 40 | 80 | 04/28/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 390 | mg/Kg DWB | 1 | 0.088 | 0.27 | 04/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.099 | 0.35 | 05/03/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 19 | mg/Kg DWB | 1 | 0.94 | 3.4 | 04/26/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2100 | mg/Kg DWB | 1 | 9.6 | 35 | 04/30/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.1 | 3.8 | 05/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.39 | 1.4 | 04/26/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 190 | mg/Kg DWB | 1 | 0.88 | 3.2 | 04/30/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 79.5 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 5.0 | 05/11/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 32 | mg/Kg DWB | 1 | 0.23 | 0.86 | 04/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 37 | mg/Kg DWB | 1 | 0.18 | 0.54 | 04/26/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/22/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/27/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/28/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/25/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88830
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP111-13-15 NLS ID: 368396**
Ref. Line 3 COC 76408 Soil, NS-SOGP111-13-15 Matrix: SO
Collected: 04/20/05 14:10 Received: 04/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 19000 | mg/Kg DWB | 1 | 6.6 | 24 | 04/28/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.6 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.3] | mg/Kg DWB | 20 | 1.0 | 3.7 | 05/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 110 | mg/Kg DWB | 1 | 0.16 | 0.31 | 04/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.60] | mg/Kg DWB | 10 | 0.31 | 1.1 | 05/01/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.23 | 0.85 | 04/26/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 45000 | mg/Kg DWB | 10 | 47 | 94 | 04/28/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 34 | mg/Kg DWB | 1 | 0.47* | 1.7 | 05/12/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.19* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 34 | mg/Kg DWB | 1 | 0.47 | 1.7 | 04/26/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 9.9 | mg/Kg DWB | 1 | 0.44 | 1.5 | 04/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 22 | mg/Kg DWB | 1 | 0.18 | 0.69 | 04/26/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.13 | 0.39 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 25000 | mg/Kg DWB | 10 | 8.8 | 33 | 04/28/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [10] | mg/Kg DWB | 1 | 5.1 | 18 | 04/28/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 16000 | mg/Kg DWB | 10 | 47 | 94 | 04/28/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 300 | mg/Kg DWB | 1 | 0.10 | 0.31 | 04/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.10 | 0.36 | 05/03/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 23 | mg/Kg DWB | 1 | 1.1 | 4.0 | 04/26/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2500 | mg/Kg DWB | 1 | 11 | 41 | 04/30/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.2 | 05/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.45 | 1.6 | 04/26/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 250 | mg/Kg DWB | 1 | 1.0 | 3.8 | 04/30/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 77.3 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.5 | 05/11/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 41 | mg/Kg DWB | 1 | 0.27 | 1.0 | 04/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 42 | mg/Kg DWB | 1 | 0.21 | 0.63 | 04/26/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/22/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/27/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/28/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/25/05 | SW846 3550B | 721026460 |

**NS-SQ MeOH Blank 2-0405 NLS ID: 368397**
Ref. Line 5 COC 76408 NS-SQ MeOH Blank 2-0405 Matrix: TB
Collected: 04/20/05 00:00 Received: 04/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/27/05 | SW846 8260 | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88830**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 07/12/2005 09:47**

**Sample: 368374** **Soil, NS-SOGP1001-2-4** **Collected: 04/19/05** **Analyzed: 04/27/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [96] | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | [45] | ug/Kg | 1 | 31 | 100 |
| Anthracene | [100] | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | 110 | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | [88] | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | [100] | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | [53] | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | [110] | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | [42] | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | 310 | ug/Kg | 1 | 37 | 120 |
| Fluorene | 110 | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | [40] | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | [40] | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | 470 | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | 350 | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | [64] | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 52% | | | | |
| Phenol-d5 (SURR**) | 61% | | | | |
| Nitrobenzene-d5 (SURR**) | 67% | | | | |
| 2-Fluorobiphenyl (SURR**) | 71% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 61% | | | | |
| Terphenyl-d14 (SURR**) | 78% | | | | |

Laboratory control spike and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 07/12/2005 09:47**

**Sample: 368375** **Soil, NS-SQ Dup 01-0405** **Collected: 04/19/05** **Analyzed: 04/27/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | [75] | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | [48] | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 62% | | | | |
| Phenol-d5 (SURR**) | 64% | | | | |
| Nitrobenzene-d5 (SURR**) | 62% | | | | |
| 2-Fluorobiphenyl (SURR**) | 67% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 78% | | | | |
| Terphenyl-d14 (SURR**) | 76% | | | | |

Laboratory control spike and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 07/12/2005 09:47**

**Sample: 368376** **Soil, NS-SOGP101-6-8** **Collected: 04/19/05** **Analyzed: 04/27/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [1300] | ug/Kg | 20 | 650 | 2200 |
| Acenaphthylene | [1000] | ug/Kg | 20 | 610 | 2000 |
| Anthracene | [2300] | ug/Kg | 20 | 770 | 2600 |
| Benzo[a]anthracene | 2500 | ug/Kg | 20 | 680 | 2300 |
| Benzo[a]pyrene | 2500 | ug/Kg | 20 | 680 | 2300 |
| Benzo[b]fluoranthene | 2500 | ug/Kg | 20 | 750 | 2500 |
| Benzo[g,h,i]perylene | [1500] | ug/Kg | 20 | 650 | 2200 |
| Benzo[k]fluoranthene | [870] | ug/Kg | 20 | 760 | 2500 |
| Chrysene | 2400 | ug/Kg | 20 | 710 | 2400 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 20 | 680 | 2300 |
| Dibenzofuran | 2500 | ug/Kg | 20 | 630 | 2100 |
| Fluoranthene | 8200 | ug/Kg | 20 | 750 | 2500 |
| Fluorene | 2600 | ug/Kg | 20 | 650 | 2200 |
| Indeno[1,2,3-cd]pyrene | [1100] | ug/Kg | 20 | 620 | 2100 |
| 1-Methylnaphthalene | 2500 | ug/Kg | 20 | 630 | 2100 |
| 2-Methylnaphthalene | 4000 | ug/Kg | 20 | 620 | 2100 |
| 2-Methylphenol | ND | ug/Kg | 20 | 520 | 1700 |
| 3 & 4-Methylphenol | ND | ug/Kg | 20 | 1100 | 3900 |
| Naphthalene | 22000 | ug/Kg | 20 | 610 | 2000 |
| Phenanthrene | 13000 | ug/Kg | 20 | 730 | 2400 |
| Phenol | ND | ug/Kg | 20 | 560 | 1900 |
| Pyrene | 7800 | ug/Kg | 20 | 710 | 2400 |
| Benzo[e]pyrene | [1600] | ug/Kg | 20 | 760 | 2500 |
| 2-Fluorophenol (SURR**) | 70% | | | | |
| Phenol-d5 (SURR**) | 72% | | | | |
| Nitrobenzene-d5 (SURR**) | 70% | | | | |
| 2-Fluorobiphenyl (SURR**) | 82% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 57% | | | | |
| Terphenyl-d14 (SURR**) | 80% | | | | |

10 mL final extract volume.

Laboratory control spike and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 07/12/2005 09:47**

**Sample: 368377** **Soil, NS-SOGP101-10-12** **Collected: 04/19/05** **Analyzed: 04/27/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | [92] | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 63% | | | | |
| Phenol-d5 (SURR**) | 65% | | | | |
| Nitrobenzene-d5 (SURR**) | 63% | | | | |
| 2-Fluorobiphenyl (SURR**) | 71% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 80% | | | | |
| Terphenyl-d14 (SURR**) | 78% | | | | |

Laboratory control spike and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**
**Project Description: Xcel RIF 5/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 07/12/2005 09:47**

**Sample: 368378** **Soil, NS-SOGP107-1-3, MS/MSD** **Collected: 04/20/05** **Analyzed: 04/27/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 67% | | | | |
| Phenol-d5 (SURR**) | 69% | | | | |
| Nitrobenzene-d5 (SURR**) | 66% | | | | |
| 2-Fluorobiphenyl (SURR**) | 74% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 79% | | | | |
| Terphenyl-d14 (SURR**) | 78% | | | | |

Laboratory control spike and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 07/12/2005 09:47**

**Sample: 368379** **Soil, NS-SOGP107-6-8** **Collected: 04/20/05** **Analyzed: 04/27/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [2400] | ug/Kg | 25 | 810 | 2700 |
| Acenaphthylene | 10000 | ug/Kg | 25 | 770 | 2600 |
| Anthracene | 4000 | ug/Kg | 25 | 960 | 3200 |
| Benzo[a]anthracene | [1900] | ug/Kg | 25 | 860 | 2900 |
| Benzo[a]pyrene | [1400] | ug/Kg | 25 | 850 | 2800 |
| Benzo[b]fluoranthene | [1200] | ug/Kg | 25 | 940 | 3100 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 25 | 810 | 2700 |
| Benzo[k]fluoranthene | ND | ug/Kg | 25 | 950 | 3200 |
| Chrysene | [1700] | ug/Kg | 25 | 890 | 3000 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 25 | 850 | 2800 |
| Dibenzofuran | [1900] | ug/Kg | 25 | 790 | 2600 |
| Fluoranthene | 4200 | ug/Kg | 25 | 940 | 3100 |
| Fluorene | 5900 | ug/Kg | 25 | 810 | 2700 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 25 | 780 | 2600 |
| 1-Methylnaphthalene | 24000 | ug/Kg | 25 | 790 | 2600 |
| 2-Methylnaphthalene | 35000 | ug/Kg | 25 | 780 | 2600 |
| 2-Methylphenol | ND | ug/Kg | 25 | 650 | 2200 |
| 3 & 4-Methylphenol | ND | ug/Kg | 25 | 1400 | 4800 |
| Naphthalene | 40000 | ug/Kg | 25 | 770 | 2600 |
| Phenanthrene | 14000 | ug/Kg | 25 | 920 | 3100 |
| Phenol | ND | ug/Kg | 25 | 700 | 2300 |
| Pyrene | 5500 | ug/Kg | 25 | 890 | 3000 |
| Benzo[e]pyrene | ND | ug/Kg | 25 | 950 | 3200 |
| 2-Fluorophenol (SURR**) | 78% | | | | |
| Phenol-d5 (SURR**) | 79% | | | | |
| Nitrobenzene-d5 (SURR**) | 73% | | | | |
| 2-Fluorobiphenyl (SURR**) | 87% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 76% | | | | |
| Terphenyl-d14 (SURR**) | 84% | | | | |

10 mL final extract volume.
Laboratory control spike and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP Printed: 07/12/2005 09:47**

**Sample: 368380 Soil, NS-SOGP107-10-12** **Collected: 04/20/05** **Analyzed: 04/27/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 3900 | ug/Kg | 10 | 320 | 1100 |
| Acenaphthylene | [670] | ug/Kg | 10 | 310 | 1000 |
| Anthracene | 1700 | ug/Kg | 10 | 380 | 1300 |
| Benzo[a]anthracene | [840] | ug/Kg | 10 | 340 | 1100 |
| Benzo[a]pyrene | [620] | ug/Kg | 10 | 340 | 1100 |
| Benzo[b]fluoranthene | [510] | ug/Kg | 10 | 380 | 1300 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 10 | 330 | 1100 |
| Benzo[k]fluoranthene | ND | ug/Kg | 10 | 380 | 1300 |
| Chrysene | [740] | ug/Kg | 10 | 360 | 1200 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 10 | 340 | 1100 |
| Dibenzofuran | [810] | ug/Kg | 10 | 320 | 1100 |
| Fluoranthene | 1800 | ug/Kg | 10 | 370 | 1200 |
| Fluorene | 2400 | ug/Kg | 10 | 320 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 10 | 310 | 1000 |
| 1-Methylnaphthalene | 9600 | ug/Kg | 10 | 320 | 1100 |
| 2-Methylnaphthalene | 14000 | ug/Kg | 10 | 310 | 1000 |
| 2-Methylphenol | ND | ug/Kg | 10 | 260 | 870 |
| 3 & 4-Methylphenol | ND | ug/Kg | 10 | 550 | 1900 |
| Naphthalene | 15000 | ug/Kg | 10 | 310 | 1000 |
| Phenanthrene | 6100 | ug/Kg | 10 | 370 | 1200 |
| Phenol | ND | ug/Kg | 10 | 280 | 940 |
| Pyrene | 2400 | ug/Kg | 10 | 360 | 1200 |
| Benzo[e]pyrene | ND | ug/Kg | 10 | 380 | 1300 |
| 2-Fluorophenol (SURR**) | 81% | | | | |
| Phenol-d5 (SURR**) | 80% | | | | |
| Nitrobenzene-d5 (SURR**) | 76% | | | | |
| 2-Fluorobiphenyl (SURR**) | 87% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 74% | | | | |
| Terphenyl-d14 (SURR**) | 88% | | | | |

10 mL final extract volume.

Laboratory control spike and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 07/12/2005 09:47**

**Sample: 368381** **Soil, NS-SOGP110-1-3** **Collected: 04/20/05** **Analyzed: 04/27/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 20000 | ug/Kg | 50 | 1600 | 5400 |
| Acenaphthylene | 18000 | ug/Kg | 50 | 1500 | 5100 |
| Anthracene | 19000 | ug/Kg | 50 | 1900 | 6400 |
| Benzo[a]anthracene | 28000 | ug/Kg | 50 | 1700 | 5700 |
| Benzo[a]pyrene | 35000 | ug/Kg | 50 | 1700 | 5700 |
| Benzo[b]fluoranthene | 37000 | ug/Kg | 50 | 1900 | 6300 |
| Benzo[g,h,i]perylene | 11000 | ug/Kg | 50 | 1600 | 5400 |
| Benzo[k]fluoranthene | 15000 | ug/Kg | 50 | 1900 | 6400 |
| Chrysene | 27000 | ug/Kg | 50 | 1800 | 5900 |
| Dibenzo[a,h]anthracene | [3800] | ug/Kg | 50 | 1700 | 5700 |
| *Dibenzofuran* | *9600* | *ug/Kg* | *50* | *1600* | *5300* |
| Fluoranthene | 40000 | ug/Kg | 50 | 1900 | 6200 |
| Fluorene | 24000 | ug/Kg | 50 | 1600 | 5400 |
| Indeno[1,2,3-cd]pyrene | 7700 | ug/Kg | 50 | 1600 | 5200 |
| 1-Methylnaphthalene | 55000 | ug/Kg | 50 | 1600 | 5300 |
| 2-Methylnaphthalene | 53000 | ug/Kg | 50 | 1600 | 5200 |
| 2-Methylphenol | ND | ug/Kg | 50 | 1300 | 4300 |
| 3 & 4-Methylphenol | ND | ug/Kg | 50 | 2700 | 9600 |
| Naphthalene | 18000 | ug/Kg | 50 | 1500 | 5100 |
| Phenanthrene | 57000 | ug/Kg | 50 | 1800 | 6100 |
| Phenol | ND | ug/Kg | 50 | 1400 | 4700 |
| Pyrene | 63000 | ug/Kg | 50 | 1800 | 5900 |
| Benzo[e]pyrene | 20000 | ug/Kg | 50 | 1900 | 6400 |
| 2-Fluorophenol (SURR**) | 82% | | | | |
| Phenol-d5 (SURR**) | 83% | | | | |
| Nitrobenzene-d5 (SURR**) | 84% | | | | |
| 2-Fluorobiphenyl (SURR**) | 88% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 100% | | | | |
| Terphenyl-d14 (SURR**) | 102% | | | | |

10 mL final extract volume.
Laboratory control spike and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 07/12/2005 09:47**

**Sample: 368382** **Soil, NS-SOGP1 0-8-10** **Collected: 04/20/05** **Analyzed: 04/27/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [12000] | ug/Kg | 200 | 6500 | 22000 |
| Acenaphthylene | 40000 | ug/Kg | 200 | 6100 | 20000 |
| Anthracene | [17000] | ug/Kg | 200 | 7700 | 26000 |
| Benzo[a]anthracene | [9600] | ug/Kg | 200 | 6800 | 23000 |
| Benzo[a]pyrene | ND | ug/Kg | 200 | 6800 | 23000 |
| Benzo[b]fluoranthene | ND | ug/Kg | 200 | 7500 | 25000 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 200 | 6500 | 22000 |
| Benzo[k]fluoranthene | ND | ug/Kg | 200 | 7600 | 25000 |
| Chrysene | ND | ug/Kg | 200 | 7100 | 24000 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 200 | 6800 | 23000 |
| Dibenzofuran | ND | ug/Kg | 200 | 6300 | 21000 |
| Fluoranthene | [19000] | ug/Kg | 200 | 7500 | 25000 |
| Fluorene | [20000] | ug/Kg | 200 | 6500 | 22000 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 200 | 6200 | 21000 |
| 1-Methylnaphthalene | 75000 | ug/Kg | 200 | 6300 | 21000 |
| 2-Methylnaphthalene | 130000 | ug/Kg | 200 | 6200 | 21000 |
| 2-Methylphenol | ND | ug/Kg | 200 | 5200 | 17000 |
| 3 & 4-Methylphenol | ND | ug/Kg | 200 | 11000 | 39000 |
| Naphthalene | 280000 | ug/Kg | 200 | 6100 | 20000 |
| Phenanthrene | 61000 | ug/Kg | 200 | 7300 | 24000 |
| Phenol | ND | ug/Kg | 200 | 5600 | 19000 |
| Pyrene | 31000 | ug/Kg | 200 | 7100 | 24000 |
| Benzo[e]pyrene | ND | ug/Kg | 200 | 7600 | 25000 |
| 2-Fluorophenol (SURR**) | 77% | | | | |
| Phenol-d5 (SURR**) | 83% | | | | |
| Nitrobenzene-d5 (SURR**) | 78% | | | | |
| 2-Fluorobiphenyl (SURR**) | 94% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 43% | | | | |
| Terphenyl-d14 (SURR**) | 93% | | | | |

10 mL final extract volume.

Laboratory control spike and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 07/12/2005 09:47**

**Sample: 368383** **Soil, NS-SOGP110-12-14** **Collected: 04/20/05** **Analyzed: 04/27/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 4100 | ug/Kg | 20 | 650 | 2200 |
| Acenaphthylene | 2700 | ug/Kg | 20 | 610 | 2000 |
| Anthracene | 2600 | ug/Kg | 20 | 770 | 2600 |
| Benzo[a]anthracene | [1500] | ug/Kg | 20 | 680 | 2300 |
| Benzo[a]pyrene | [1700] | ug/Kg | 20 | 680 | 2300 |
| Benzo[b]fluoranthene | [1400] | ug/Kg | 20 | 750 | 2500 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 20 | 650 | 2200 |
| Benzo[k]fluoranthene | ND | ug/Kg | 20 | 760 | 2500 |
| Chrysene | [1500] | ug/Kg | 20 | 710 | 2400 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 20 | 680 | 2300 |
| Dibenzofuran | ND | ug/Kg | 20 | 630 | 2100 |
| Fluoranthene | 3700 | ug/Kg | 20 | 750 | 2500 |
| Fluorene | 2900 | ug/Kg | 20 | 650 | 2200 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 20 | 620 | 2100 |
| 1-Methylnaphthalene | 7000 | ug/Kg | 20 | 630 | 2100 |
| 2-Methylnaphthalene | 11000 | ug/Kg | 20 | 620 | 2100 |
| 2-Methylphenol | ND | ug/Kg | 20 | 520 | 1700 |
| 3 & 4-Methylphenol | ND | ug/Kg | 20 | 1100 | 3900 |
| Naphthalene | 28000 | ug/Kg | 20 | 610 | 2000 |
| Phenanthrene | 12000 | ug/Kg | 20 | 730 | 2400 |
| Phenol | ND | ug/Kg | 20 | 560 | 1900 |
| Pyrene | 6500 | ug/Kg | 20 | 710 | 2400 |
| Benzo[e]pyrene | [1100] | ug/Kg | 20 | 760 | 2500 |
| 2-Fluorophenol (SURR**) | 72% | | | | |
| Phenol-d5 (SURR**) | 75% | | | | |
| Nitrobenzene-d5 (SURR**) | 72% | | | | |
| 2-Fluorobiphenyl (SURR**) | 82% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 62% | | | | |
| Terphenyl-d14 (SURR**) | 167% | | | | |

10 mL final extract volume.
Laboratory control spike and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.
Surrogate recovery for Terphenyl-d14 was outside QC limits due to sample matrix.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 07/12/2005 09:47**

**Sample: 368384** **Soil, NS-SQ Dup 02-0405** **Collected: 04/20/05** **Analyzed: 04/27/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 10 | 320 | 1100 |
| Acenaphthylene | 1100 | ug/Kg | 10 | 310 | 1000 |
| Anthracene | [830] | ug/Kg | 10 | 380 | 1300 |
| Benzo[a]anthracene | 2100 | ug/Kg | 10 | 340 | 1100 |
| Benzo[a]pyrene | 4900 | ug/Kg | 10 | 340 | 1100 |
| Benzo[b]fluoranthene | 5600 | ug/Kg | 10 | 380 | 1300 |
| Benzo[g,h,i]perylene | 4100 | ug/Kg | 10 | 330 | 1100 |
| Benzo[k]fluoranthene | [1200] | ug/Kg | 10 | 380 | 1300 |
| Chrysene | 3000 | ug/Kg | 10 | 360 | 1200 |
| Dibenzo[a,h]anthracene | [800] | ug/Kg | 10 | 340 | 1100 |
| Dibenzofuran | ND | ug/Kg | 10 | 320 | 1100 |
| Fluoranthene | 2200 | ug/Kg | 10 | 370 | 1200 |
| Fluorene | ND | ug/Kg | 10 | 320 | 1100 |
| Indeno[1,2,3-cd]pyrene | 2400 | ug/Kg | 10 | 310 | 1000 |
| 1-Methylnaphthalene | [510] | ug/Kg | 10 | 320 | 1100 |
| 2-Methylnaphthalene | [700] | ug/Kg | 10 | 310 | 1000 |
| 2-Methylphenol | ND | ug/Kg | 10 | 260 | 870 |
| 3 & 4-Methylphenol | ND | ug/Kg | 10 | 550 | 1900 |
| Naphthalene | 1000 | ug/Kg | 10 | 310 | 1000 |
| Phenanthrene | 2100 | ug/Kg | 10 | 370 | 1200 |
| Phenol | ND | ug/Kg | 10 | 280 | 940 |
| Pyrene | 4600 | ug/Kg | 10 | 360 | 1200 |
| Benzo[e]pyrene | 5800 | ug/Kg | 10 | 380 | 1300 |
| 2-Fluorophenol (SURR**) | 78% | | | | |
| Phenol-d5 (SURR**) | 78% | | | | |
| Nitrobenzene-d5 (SURR**) | 74% | | | | |
| 2-Fluorobiphenyl (SURR**) | 86% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 77% | | | | |
| Terphenyl-d14 (SURR**) | 104% | | | | |

10 mL final extract volume.
Laboratory control spike and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 07/12/2005 09:47**

**Sample: 368385** **Soil, NS-SOGP113-1-3** **Collected: 04/20/05** **Analyzed: 04/28/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 10 | 320 | 1100 |
| Acenaphthylene | 1400 | ug/Kg | 10 | 310 | 1000 |
| Anthracene | [1100] | ug/Kg | 10 | 380 | 1300 |
| Benzo[a]anthracene | 2900 | ug/Kg | 10 | 340 | 1100 |
| Benzo[a]pyrene | 7800 | ug/Kg | 10 | 340 | 1100 |
| Benzo[b]fluoranthene | 8800 | ug/Kg | 10 | 380 | 1300 |
| Benzo[g,h,i]perylene | 4700 | ug/Kg | 10 | 330 | 1100 |
| Benzo[k]fluoranthene | 2100 | ug/Kg | 10 | 380 | 1300 |
| Chrysene | 4400 | ug/Kg | 10 | 360 | 1200 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 10 | 340 | 1100 |
| Dibenzofuran | ND | ug/Kg | 10 | 320 | 1100 |
| Fluoranthene | 3100 | ug/Kg | 10 | 370 | 1200 |
| Fluorene | [400] | ug/Kg | 10 | 320 | 1100 |
| Indeno[1,2,3-cd]pyrene | 2700 | ug/Kg | 10 | 310 | 1000 |
| 1-Methylnaphthalene | [510] | ug/Kg | 10 | 320 | 1100 |
| 2-Methylnaphthalene | [700] | ug/Kg | 10 | 310 | 1000 |
| 2-Methylphenol | ND | ug/Kg | 10 | 260 | 870 |
| 3 & 4-Methylphenol | ND | ug/Kg | 10 | 550 | 1900 |
| Naphthalene | [960] | ug/Kg | 10 | 310 | 1000 |
| Phenanthrene | 2100 | ug/Kg | 10 | 370 | 1200 |
| Phenol | ND | ug/Kg | 10 | 280 | 940 |
| Pyrene | 7300 | ug/Kg | 10 | 360 | 1200 |
| Benzo[e]pyrene | 8300 | ug/Kg | 10 | 380 | 1300 |
| 2-Fluorophenol (SURR**) | 82% | | | | |
| Phenol-d5 (SURR**) | 85% | | | | |
| Nitrobenzene-d5 (SURR**) | 78% | | | | |
| 2-Fluorobiphenyl (SURR**) | 87% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 83% | | | | |
| Terphenyl-d14 (SURR**) | 70% | | | | |

10 mL final extract volume.
Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.
Matrix spike recoveries for Benzo[b]fluoranthene and Benzo[a]pyrene were outside QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 07/12/2005 09:47**

**Sample: 368386** **Soil, NS-SOGP1 3-8-10** **Collected: 04/20/05** **Analyzed: 04/28/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 1000 | ug/Kg | 2 | 65 | 220 |
| Acenaphthylene | [89] | ug/Kg | 2 | 61 | 200 |
| Anthracene | 430 | ug/Kg | 2 | 77 | 260 |
| Benzo[a]anthracene | 260 | ug/Kg | 2 | 68 | 230 |
| Benzo[a]pyrene | 290 | ug/Kg | 2 | 68 | 230 |
| Benzo[b]fluoranthene | [240] | ug/Kg | 2 | 75 | 250 |
| Benzo[g,h,i]perylene | [88] | ug/Kg | 2 | 65 | 220 |
| Benzo[k]fluoranthene | ND | ug/Kg | 2 | 76 | 250 |
| Chrysene | 260 | ug/Kg | 2 | 71 | 240 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 2 | 68 | 230 |
| Dibenzofuran | ND | ug/Kg | 2 | 63 | 210 |
| Fluoranthene | 570 | ug/Kg | 2 | 75 | 250 |
| Fluorene | 440 | ug/Kg | 2 | 65 | 220 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 2 | 62 | 210 |
| 1-Methylnaphthalene | 990 | ug/Kg | 2 | 63 | 210 |
| 2-Methylnaphthalene | 1500 | ug/Kg | 2 | 62 | 210 |
| 2-Methylphenol | ND | ug/Kg | 2 | 52 | 170 |
| 3 & 4-Methylphenol | ND | ug/Kg | 2 | 110 | 390 |
| Naphthalene | 2900 | ug/Kg | 2 | 61 | 200 |
| Phenanthrene | 1700 | ug/Kg | 2 | 73 | 240 |
| Phenol | ND | ug/Kg | 2 | 56 | 190 |
| Pyrene | 1000 | ug/Kg | 2 | 71 | 240 |
| Benzo[e]pyrene | [170] | ug/Kg | 2 | 76 | 250 |
| 2-Fluorophenol (SURR**) | 54% | | | | |
| Phenol-d5 (SURR**) | 63% | | | | |
| Nitrobenzene-d5 (SURR**) | 65% | | | | |
| 2-Fluorobiphenyl (SURR**) | 70% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 62% | | | | |
| Terphenyl-d14 (SURR**) | 59% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.
Matrix spike recoveries for Benzo[b]fluoranthene and Benzo[a]pyrene were outside QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 07/12/2005 09:47**

**Sample: 368387** **Soil, NS-SOGP113-12-14** **Collected: 04/20/05** **Analyzed: 04/28/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [64] | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | 260 | ug/Kg | 1 | 31 | 100 |
| Anthracene | 130 | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | [62] | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | [45] | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | [56] | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | [62] | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | 140 | ug/Kg | 1 | 37 | 120 |
| Fluorene | 190 | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | 490 | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | 720 | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | [68] | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | [170] | ug/Kg | 1 | 55 | 190 |
| Naphthalene | 720 | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | 500 | ug/Kg | 1 | 37 | 120 |
| Phenol | 280 | ug/Kg | 1 | 28 | 94 |
| Pyrene | 190 | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 65% | | | | |
| Phenol-d5 (SURR**) | 68% | | | | |
| Nitrobenzene-d5 (SURR**) | 67% | | | | |
| 2-Fluorobiphenyl (SURR**) | 73% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 78% | | | | |
| Terphenyl-d14 (SURR**) | 61% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.
Matrix spike recovery for Benzo[a]pyrene was outside QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP Printed: 07/12/2005 09:47**

**Sample: 368388 Soil, NS-SOGP11[illegible]-2-4** **Collected: 04/20/05** **Analyzed: 04/28/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | 200 | ug/Kg | 1 | 31 | 100 |
| Anthracene | [85] | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | 430 | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | 1300 | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | 1100 | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | 640 | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | 420 | ug/Kg | 1 | 38 | 130 |
| Chrysene | 650 | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | 140 | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | 440 | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | 350 | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | 230 | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | 190 | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | 1400 | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | 220 | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | 840 | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | 1100 | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 38% | | | | |
| Phenol-d5 (SURR**) | 53% | | | | |
| Nitrobenzene-d5 (SURR**) | 63% | | | | |
| 2-Fluorobiphenyl (SURR**) | 65% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 51% | | | | |
| Terphenyl-d14 (SURR**) | 61% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.
Matrix spike recoveries for Benzo[b]fluoranthene and Benzo[a]pyrene were outside QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 07/12/2005 09:47**

**Sample: 368389** **Soil, NS-SOGP116-8-10** **Collected: 04/20/05** **Analyzed: 04/28/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 100 | 3200 | 11000 |
| Acenaphthylene | 29000 | ug/Kg | 100 | 3100 | 10000 |
| Anthracene | [8100] | ug/Kg | 100 | 3800 | 13000 |
| Benzo[a]anthracene | [4200] | ug/Kg | 100 | 3400 | 11000 |
| Benzo[a]pyrene | ND | ug/Kg | 100 | 3400 | 11000 |
| Benzo[b]fluoranthene | ND | ug/Kg | 100 | 3800 | 13000 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 100 | 3300 | 11000 |
| Benzo[k]fluoranthene | ND | ug/Kg | 100 | 3800 | 13000 |
| Chrysene | ND | ug/Kg | 100 | 3600 | 12000 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 100 | 3400 | 11000 |
| *Dibenzofuran* | *[4000]* | *ug/Kg* | *100* | *3200* | *11000* |
| Fluoranthene | [8700] | ug/Kg | 100 | 3700 | 12000 |
| Fluorene | 11000 | ug/Kg | 100 | 3200 | 11000 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 100 | 3100 | 10000 |
| 1-Methylnaphthalene | 61000 | ug/Kg | 100 | 3200 | 11000 |
| 2-Methylnaphthalene | 96000 | ug/Kg | 100 | 3100 | 10000 |
| 2-Methylphenol | ND | ug/Kg | 100 | 2600 | 8700 |
| 3 & 4-Methylphenol | ND | ug/Kg | 100 | 5500 | 19000 |
| Naphthalene | 120000 | ug/Kg | 100 | 3100 | 10000 |
| Phenanthrene | 25000 | ug/Kg | 100 | 3700 | 12000 |
| Phenol | ND | ug/Kg | 100 | 2800 | 9400 |
| Pyrene | 12000 | ug/Kg | 100 | 3600 | 12000 |
| Benzo[e]pyrene | ND | ug/Kg | 100 | 3800 | 13000 |
| 2-Fluorophenol (SURR**) | 72% | | | | |
| Phenol-d5 (SURR**) | 73% | | | | |
| Nitrobenzene-d5 (SURR**) | 71% | | | | |
| 2-Fluorobiphenyl (SURR**) | 81% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 55% | | | | |
| Terphenyl-d14 (SURR**) | 61% | | | | |

10 mL final extract volume.

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP Printed: 07/12/2005 09:47**

**Sample: 368390 Soil, NS-SOGP11S-14-16** **Collected: 04/20/05** **Analyzed: 04/28/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 940 | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | [55] | ug/Kg | 1 | 31 | 100 |
| Anthracene | [72] | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | [91] | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | 270 | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | 1500 | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | 2200 | ug/Kg | 4 | 120 | 410 |
| 2-Methylphenol | [44] | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | [71] | ug/Kg | 1 | 55 | 190 |
| Naphthalene | 4600 | ug/Kg | 4 | 120 | 410 |
| Phenanthrene | 400 | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 67% | | | | |
| Phenol-d5 (SURR**) | 68% | | | | |
| Nitrobenzene-d5 (SURR**) | 66% | | | | |
| 2-Fluorobiphenyl (SURR**) | 64% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 82% | | | | |
| Terphenyl-d14 (SURR**) | 60% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 07/12/2005 09:47**

**Sample: 368391** **Soil, NS-SOGP108-1-3** **Collected: 04/20/05** **Analyzed: 04/28/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 10 | 320 | 1100 |
| Acenaphthylene | [710] | ug/Kg | 10 | 310 | 1000 |
| Anthracene | ND | ug/Kg | 10 | 380 | 1300 |
| Benzo[a]anthracene | [970] | ug/Kg | 10 | 340 | 1100 |
| Benzo[a]pyrene | 2600 | ug/Kg | 10 | 340 | 1100 |
| Benzo[b]fluoranthene | 2600 | ug/Kg | 10 | 380 | 1300 |
| Benzo[g,h,i]perylene | 2400 | ug/Kg | 10 | 330 | 1100 |
| Benzo[k]fluoranthene | [1000] | ug/Kg | 10 | 380 | 1300 |
| Chrysene | 1300 | ug/Kg | 10 | 360 | 1200 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 10 | 340 | 1100 |
| Dibenzofuran | ND | ug/Kg | 10 | 320 | 1100 |
| Fluoranthene | [650] | ug/Kg | 10 | 370 | 1200 |
| Fluorene | ND | ug/Kg | 10 | 320 | 1100 |
| Indeno[1,2,3-cd]pyrene | 1200 | ug/Kg | 10 | 310 | 1000 |
| 1-Methylnaphthalene | ND | ug/Kg | 10 | 320 | 1100 |
| 2-Methylnaphthalene | ND | ug/Kg | 10 | 310 | 1000 |
| 2-Methylphenol | ND | ug/Kg | 10 | 260 | 870 |
| 3 & 4-Methylphenol | ND | ug/Kg | 10 | 550 | 1900 |
| Naphthalene | ND | ug/Kg | 10 | 310 | 1000 |
| Phenanthrene | ND | ug/Kg | 10 | 370 | 1200 |
| Phenol | ND | ug/Kg | 10 | 280 | 940 |
| Pyrene | 1800 | ug/Kg | 10 | 360 | 1200 |
| Benzo[e]pyrene | 2800 | ug/Kg | 10 | 380 | 1300 |
| 2-Fluorophenol (SURR**) | 59% | | | | |
| Phenol-d5 (SURR**) | 65% | | | | |
| Nitrobenzene-d5 (SURR**) | 68% | | | | |
| 2-Fluorobiphenyl (SURR**) | 72% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 57% | | | | |
| Terphenyl-d14 (SURR**) | 60% | | | | |

10 mL final extract volume.
Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.
Matrix spike recoveries for Benzo[b]fluoranthene and Benzo[a]pyrene were outside QC limits.
Reanalysis at a lower dilution is not possible due to sample matrix.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 07/12/2005 09:47**

**Sample: 368392** **Soil, NS-SOGP108-8-10** **Collected: 04/20/05** **Analyzed: 04/28/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 59000 | ug/Kg | 200 | 6500 | 22000 |
| Acenaphthylene | ND | ug/Kg | 200 | 6100 | 20000 |
| Anthracene | [20000] | ug/Kg | 200 | 7700 | 26000 |
| Benzo[a]anthracene | [11000] | ug/Kg | 200 | 6800 | 23000 |
| Benzo[a]pyrene | [11000] | ug/Kg | 200 | 6800 | 23000 |
| Benzo[b]fluoranthene | ND | ug/Kg | 200 | 7500 | 25000 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 200 | 6500 | 22000 |
| Benzo[k]fluoranthene | ND | ug/Kg | 200 | 7600 | 25000 |
| Chrysene | ND | ug/Kg | 200 | 7100 | 24000 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 200 | 6800 | 23000 |
| Dibenzofuran | ND | ug/Kg | 200 | 6300 | 21000 |
| Fluoranthene | 25000 | ug/Kg | 200 | 7500 | 25000 |
| Fluorene | 23000 | ug/Kg | 200 | 6500 | 22000 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 200 | 6200 | 21000 |
| 1-Methylnaphthalene | 87000 | ug/Kg | 200 | 6300 | 21000 |
| 2-Methylnaphthalene | 62000 | ug/Kg | 200 | 6200 | 21000 |
| 2-Methylphenol | ND | ug/Kg | 200 | 5200 | 17000 |
| 3 & 4-Methylphenol | ND | ug/Kg | 200 | 11000 | 39000 |
| Naphthalene | 230000 | ug/Kg | 200 | 6100 | 20000 |
| Phenanthrene | 76000 | ug/Kg | 200 | 7300 | 24000 |
| Phenol | ND | ug/Kg | 200 | 5600 | 19000 |
| Pyrene | 40000 | ug/Kg | 200 | 7100 | 24000 |
| Benzo[e]pyrene | ND | ug/Kg | 200 | 7600 | 25000 |
| 2-Fluorophenol (SURR**) | 67% | | | | |
| Phenol-d5 (SURR**) | 67% | | | | |
| Nitrobenzene-d5 (SURR**) | 108% | | | | |
| 2-Fluorobiphenyl (SURR**) | 79% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 51% | | | | |
| Terphenyl-d14 (SURR**) | 60% | | | | |

10 mL final extract volume.

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

Matrix spike recovery for Benzo[a]pyrene was outside QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 07/12/2005 09:47**

**Sample: 368393** **Soil, NS-SOGP108-13-15** **Collected: 04/20/05** **Analyzed: 04/28/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 130 | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | [56] | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | [86] | ug/Kg | 1 | 37 | 120 |
| Fluorene | [63] | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | 130 | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | 110 | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | 300 | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | 240 | ug/Kg | 1 | 37 | 120 |
| Phenol | 180 | ug/Kg | 1 | 28 | 94 |
| Pyrene | 140 | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 60% | | | | |
| Phenol-d5 (SURR**) | 62% | | | | |
| Nitrobenzene-d5 (SURR**) | 58% | | | | |
| 2-Fluorobiphenyl (SURR**) | 58% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 79% | | | | |
| Terphenyl-d14 (SURR**) | 58% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**
**Project Description: Xcel RIFS 25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 07/12/2005 09:47**

**Sample: 368394** **Soil, NS-SOGP111-2-4** **Collected: 04/20/05** **Analyzed: 04/28/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 41000 | ug/Kg | 200 | 6500 | 22000 |
| Acenaphthylene | 32000 | ug/Kg | 200 | 6100 | 20000 |
| Anthracene | 66000 | ug/Kg | 200 | 7700 | 26000 |
| Benzo[a]anthracene | 83000 | ug/Kg | 200 | 6800 | 23000 |
| Benzo[a]pyrene | 61000 | ug/Kg | 200 | 6800 | 23000 |
| Benzo[b]fluoranthene | 67000 | ug/Kg | 200 | 7500 | 25000 |
| Benzo[g,h,i]perylene | [13000] | ug/Kg | 200 | 6500 | 22000 |
| Benzo[k]fluoranthene | [21000] | ug/Kg | 200 | 7600 | 25000 |
| Chrysene | 74000 | ug/Kg | 200 | 7100 | 24000 |
| *Dibenzo[a,h]anthracene* | ND | ug/Kg | 200 | 6800 | 23000 |
| Dibenzofuran | [9400] | ug/Kg | 200 | 6300 | 21000 |
| Fluoranthene | 160000 | ug/Kg | 200 | 7500 | 25000 |
| Fluorene | 48000 | ug/Kg | 200 | 6500 | 22000 |
| Indeno[1,2,3-cd]pyrene | [8800] | ug/Kg | 200 | 6200 | 21000 |
| 1-Methylnaphthalene | 60000 | ug/Kg | 200 | 6300 | 21000 |
| 2-Methylnaphthalene | 21000 | ug/Kg | 200 | 6200 | 21000 |
| 2-Methylphenol | ND | ug/Kg | 200 | 5200 | 17000 |
| 3 & 4-Methylphenol | ND | ug/Kg | 200 | 11000 | 39000 |
| Naphthalene | [11000] | ug/Kg | 200 | 6100 | 20000 |
| Phenanthrene | 52000 | ug/Kg | 200 | 7300 | 24000 |
| Phenol | ND | ug/Kg | 200 | 5600 | 19000 |
| Pyrene | 220000 | ug/Kg | 200 | 7100 | 24000 |
| Benzo[e]pyrene | 31000 | ug/Kg | 200 | 7600 | 25000 |
| 2-Fluorophenol (SURR**) | 73% | | | | |
| Phenol-d5 (SURR**) | 75% | | | | |
| Nitrobenzene-d5 (SURR**) | 70% | | | | |
| 2-Fluorobiphenyl (SURR**) | 83% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 48% | | | | |
| Terphenyl-d14 (SURR**) | 77% | | | | |

10 mL final extract volume.

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

Matrix spike recoveries for Benzo[b]fluoranthene and Benzo[a]pyrene were outside QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 07/12/2005 09:47**

**Sample: 368395** **Soil, NS-SOGP111-8-10** **Collected: 04/20/05** **Analyzed: 04/28/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 10000 | ug/Kg | 50 | 1600 | 5400 |
| Acenaphthylene | ND | ug/Kg | 50 | 1500 | 5100 |
| Anthracene | [3600] | ug/Kg | 50 | 1900 | 6400 |
| Benzo[a]anthracene | [2200] | ug/Kg | 50 | 1700 | 5700 |
| Benzo[a]pyrene | ND | ug/Kg | 50 | 1700 | 5700 |
| Benzo[b]fluoranthene | ND | ug/Kg | 50 | 1900 | 6300 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 50 | 1600 | 5400 |
| Benzo[k]fluoranthene | ND | ug/Kg | 50 | 1900 | 6400 |
| Chrysene | ND | ug/Kg | 50 | 1800 | 5900 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 50 | 1700 | 5700 |
| Dibenzofuran | ND | ug/Kg | 50 | 1600 | 5300 |
| Fluoranthene | [4300] | ug/Kg | 50 | 1900 | 6200 |
| Fluorene | [4000] | ug/Kg | 50 | 1600 | 5400 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 50 | 1600 | 5200 |
| 1-Methylnaphthalene | 15000 | ug/Kg | 50 | 1600 | 5300 |
| 2-Methylnaphthalene | 25000 | ug/Kg | 50 | 1600 | 5200 |
| 2-Methylphenol | ND | ug/Kg | 50 | 1300 | 4300 |
| 3 & 4-Methylphenol | ND | ug/Kg | 50 | 2700 | 9600 |
| Naphthalene | 47000 | ug/Kg | 50 | 1500 | 5100 |
| Phenanthrene | 13000 | ug/Kg | 50 | 1800 | 6100 |
| Phenol | ND | ug/Kg | 50 | 1400 | 4700 |
| Pyrene | 7200 | ug/Kg | 50 | 1800 | 5900 |
| Benzo[e]pyrene | ND | ug/Kg | 50 | 1900 | 6400 |
| 2-Fluorophenol (SURR**) | 70% | | | | |
| Phenol-d5 (SURR**) | 71% | | | | |
| Nitrobenzene-d5 (SURR**) | 64% | | | | |
| 2-Fluorobiphenyl (SURR**) | 72% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 49% | | | | |
| Terphenyl-d14 (SURR**) | 59% | | | | |

10 mL final extract volume.

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**

**Project Description: Xcel RIF 3/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/12/2005 09:47**

**Sample: 368396** **Soil, NS-SOGP11-13-15** **Collected: 04/20/05** **Analyzed: 04/28/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 10 | 320 | 1100 |
| Acenaphthylene | 1300 | ug/Kg | 10 | 310 | 1000 |
| Anthracene | [740] | ug/Kg | 10 | 380 | 1300 |
| Benzo[a]anthracene | ND | ug/Kg | 10 | 340 | 1100 |
| Benzo[a]pyrene | ND | ug/Kg | 10 | 340 | 1100 |
| Benzo[b]fluoranthene | ND | ug/Kg | 10 | 380 | 1300 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 10 | 330 | 1100 |
| Benzo[k]fluoranthene | ND | ug/Kg | 10 | 380 | 1300 |
| Chrysene | ND | ug/Kg | 10 | 360 | 1200 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 10 | 340 | 1100 |
| Dibenzofuran | ND | ug/Kg | 10 | 320 | 1100 |
| Fluoranthene | [880] | ug/Kg | 10 | 370 | 1200 |
| Fluorene | [640] | ug/Kg | 10 | 320 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 10 | 310 | 1000 |
| 1-Methylnaphthalene | 1300 | ug/Kg | 10 | 320 | 1100 |
| 2-Methylnaphthalene | 1900 | ug/Kg | 10 | 310 | 1000 |
| 2-Methylphenol | ND | ug/Kg | 10 | 260 | 870 |
| 3 & 4-Methylphenol | ND | ug/Kg | 10 | 550 | 1900 |
| Naphthalene | 8800 | ug/Kg | 10 | 310 | 1000 |
| Phenanthrene | 2900 | ug/Kg | 10 | 370 | 1200 |
| Phenol | ND | ug/Kg | 10 | 280 | 940 |
| Pyrene | 1600 | ug/Kg | 10 | 360 | 1200 |
| Benzo[e]pyrene | ND | ug/Kg | 10 | 380 | 1300 |
| 2-Fluorophenol (SURR**) | 66% | | | | |
| Phenol-d5 (SURR**) | 71% | | | | |
| Nitrobenzene-d5 (SURR**) | 69% | | | | |
| 2-Fluorobiphenyl (SURR**) | 64% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 59% | | | | |
| Terphenyl-d14 (SURR**) | 58% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

** Surrogates are used to evaluate a method's Quality Control.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 07/12/2005 09:47**

**Sample: 368374** **Soil, NS-SOGP101-2-4** **Collected: 04/19/05** **Analyzed: 04/27/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [24] | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 113% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

**Sample: 368375** **Soil, NS-SQ Dup 01-0405** **Collected: 04/19/05** **Analyzed: 04/27/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [55] | ug/kg | 2 | 30 | 100 |
| sec-Butylbenzene | ND | ug/kg | 2 | 39 | 130 |
| Ethylbenzene | ND | ug/kg | 2 | 31 | 100 |
| ortho-Xylene | ND | ug/kg | 2 | 25 | 85 |
| Styrene | ND | ug/kg | 2 | 35 | 120 |
| Toluene | [44] | ug/kg | 2 | 21 | 67 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 2 | 29 | 98 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 2 | 33 | 110 |
| meta,para-Xylene | ND | ug/kg | 2 | 50 | 180 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 2 | 38 | 130 |
| Dibromofluoromethane (SURR**) | 112% | | | | |
| Toluene-d8 (SURR**) | 118% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 109% | | | | |

Sample was diluted due to non-target compounds.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: SAT2SNSP** **Printed: 07/12/2005 09:47**

**Sample: 368376** **Soil, NS-SOGP101-6-8** **Collected: 04/19/05** **Analyzed: 04/27/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 460 | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | [37] | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | 49 | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 110 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | [45] | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | [62] | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 108% | | | | |
| Toluene-d8 (SURR**) | 113% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 109% | | | | |

**Sample: 368377** **Soil, NS-SOGP101-10-12** **Collected: 04/19/05** **Analyzed: 04/27/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 57 | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 107% | | | | |
| Toluene-d8 (SURR**) | 109% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 109% | | | | |

**Sample: 368378** **Soil, NS-SOGP107-1-3, MS/MSD** **Collected: 04/20/05** **Analyzed: 04/27/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 170 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 107% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 103% | | | | |

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: SAT2SNSP** **Printed: 07/12/2005 09:47**

**Sample: 368379** **Soil, NS-SOGP107-6-8** **Collected: 04/20/05** **Analyzed: 04/27/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 2100 | ug/kg | 20 | 300 | 1000 |
| sec-Butylbenzene | ND | ug/kg | 20 | 390 | 1300 |
| Ethylbenzene | 5700 | ug/kg | 20 | 310 | 1000 |
| ortho-Xylene | 2500 | ug/kg | 20 | 250 | 850 |
| Styrene | ND | ug/kg | 20 | 350 | 1200 |
| Toluene | 3300 | ug/kg | 20 | 210 | 670 |
| 1,2,4-Trimethylbenzene | 4300 | ug/kg | 20 | 290 | 980 |
| 1,3,5-Trimethylbenzene | 1200 | ug/kg | 20 | 330 | 1100 |
| meta,para-Xylene | 4800 | ug/kg | 20 | 500 | 1800 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 20 | 380 | 1300 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 108% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

Sample was diluted due to high level of Naphthalene.

**Sample: 368380** **Soil, NS-SOGP107-10-12** **Collected: 04/20/05** **Analyzed: 04/27/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 1400 | ug/kg | 2 | 30 | 100 |
| sec-Butylbenzene | ND | ug/kg | 2 | 39 | 130 |
| Ethylbenzene | 490 | ug/kg | 2 | 31 | 100 |
| ortho-Xylene | 220 | ug/kg | 2 | 25 | 85 |
| Styrene | ND | ug/kg | 2 | 35 | 120 |
| Toluene | 590 | ug/kg | 2 | 21 | 67 |
| 1,2,4-Trimethylbenzene | 260 | ug/kg | 2 | 29 | 98 |
| 1,3,5-Trimethylbenzene | [73] | ug/kg | 2 | 33 | 110 |
| meta,para-Xylene | 430 | ug/kg | 2 | 50 | 180 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 2 | 38 | 130 |
| Dibromofluoromethane (SURR**) | 106% | | | | |
| Toluene-d8 (SURR**) | 114% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 107% | | | | |

Sample was diluted due to high level of Naphthalene.

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: SAT2SNSP** **Printed: 07/12/2005 09:47**

**Sample: 368381** **Soil, NS-SOGP1 0-1-3** **Collected: 04/20/05** **Analyzed: 04/27/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 25000 | ug/kg | 12.5 | 190 | 630 |
| sec-Butylbenzene | ND | ug/kg | 12.5 | 240 | 800 |
| Ethylbenzene | 7900 | ug/kg | 12.5 | 190 | 640 |
| ortho-Xylene | 6300 | ug/kg | 12.5 | 160 | 530 |
| Styrene | ND | ug/kg | 12.5 | 220 | 720 |
| Toluene | 1800 | ug/kg | 12.5 | 130 | 420 |
| 1,2,4-Trimethylbenzene | 8700 | ug/kg | 12.5 | 180 | 610 |
| 1,3,5-Trimethylbenzene | 3100 | ug/kg | 12.5 | 210 | 680 |
| meta,para-Xylene | 8000 | ug/kg | 12.5 | 310 | 1100 |
| 1,2,3-Trimethylbenzene | 4200 | ug/kg | 12.5 | 240 | 790 |
| Dibromofluoromethane (SURR**) | 99% | | | | |
| Toluene-d8 (SURR**) | 105% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

**Sample: 368382** **Soil, NS-SOGP11 )-8-10** **Collected: 04/20/05** **Analyzed: 04/27/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 5600 | ug/kg | 20 | 300 | 1000 |
| sec-Butylbenzene | ND | ug/kg | 20 | 390 | 1300 |
| Ethylbenzene | 5800 | ug/kg | 20 | 310 | 1000 |
| ortho-Xylene | 2100 | ug/kg | 20 | 250 | 850 |
| Styrene | ND | ug/kg | 20 | 350 | 1200 |
| Toluene | 4600 | ug/kg | 20 | 210 | 670 |
| 1,2,4-Trimethylbenzene | 2800 | ug/kg | 20 | 290 | 980 |
| 1,3,5-Trimethylbenzene | [930] | ug/kg | 20 | 330 | 1100 |
| meta,para-Xylene | 4400 | ug/kg | 20 | 500 | 1800 |
| 1,2,3-Trimethylbenzene | [900] | ug/kg | 20 | 380 | 1300 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 105% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

Sample was diluted due to h.gh level of Naphthalene.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 07/12/2005 09:47**

**Sample: 368383** **Soil, NS-SOGP110-12-14** **Collected: 04/20/05** **Analyzed: 04/27/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 8100 | ug/kg | 8 | 120 | 410 |
| sec-Butylbenzene | ND | ug/kg | 8 | 150 | 510 |
| Ethylbenzene | 3300 | ug/kg | 8 | 120 | 410 |
| ortho-Xylene | *910* | ug/kg | *8* | *100* | *340* |
| Styrene | ND | ug/kg | 8 | 140 | 460 |
| Toluene | 3200 | ug/kg | 8 | 84 | 270 |
| 1,2,4-Trimethylbenzene | 930 | ug/kg | 8 | 120 | 390 |
| 1,3,5-Trimethylbenzene | [400] | ug/kg | 8 | 130 | 440 |
| meta,para-Xylene | 2200 | ug/kg | 8 | 200 | 710 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 8 | 150 | 500 |
| Dibromofluoromethane (SURR**) | 93% | | | | |
| Toluene-d8 (SURR**) | 100% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 95% | | | | |

**Sample: 368384** **Soil, NS-SQ Dup 02-0405** **Collected: 04/20/05** **Analyzed: 04/26/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 1500 | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | 190 | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | 130 | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 200 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | 130 | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | [50] | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | 190 | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | [54] | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 109% | | | | |
| Toluene-d8 (SURR**) | 116% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 114% | | | | |

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: SAT2SNSP Printed: 07/12/2005 09:47**

**Sample: 368385 Soil, NS-SOGP113-1-3** **Collected: 04/20/05** **Analyzed: 04/26/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 5200 | ug/kg | 5 | 76 | 250 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | 620 | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | 160 | ug/kg | 1 | 13 | 42 |
| Styrene | [23] | ug/kg | 1 | 17 | 58 |
| Toluene | 230 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | 130 | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | 74 | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | 200 | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | [56] | ug/kg | 1 | 19 | 63 |
| *Dibromofluoromethane* (SURR**) | 118% | | | | |
| Toluene-d8 (SURR**) | 118% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 118% | | | | |

Surrogate recovery for Dibromofluoromethane was outside in-house QC limits.

**Sample: 368386 Soil, NS-SOGP113-8-10** **Collected: 04/20/05** **Analyzed: 04/26/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 1800 | ug/kg | 2.5 | 38 | 130 |
| sec-Butylbenzene | ND | ug/kg | 2.5 | 48 | 160 |
| Ethylbenzene | 1400 | ug/kg | 2.5 | 39 | 130 |
| ortho-Xylene | 580 | ug/kg | 2.5 | 32 | 110 |
| Styrene | ND | ug/kg | 2.5 | 43 | 140 |
| Toluene | 2700 | ug/kg | 2.5 | 26 | 84 |
| 1,2,4-Trimethylbenzene | 990 | ug/kg | 2.5 | 37 | 120 |
| 1,3,5-Trimethylbenzene | 500 | ug/kg | 2.5 | 41 | 140 |
| meta,para-Xylene | 1600 | ug/kg | 2.5 | 63 | 220 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 2.5 | 47 | 160 |
| Dibromofluoromethane (SURR**) | 108% | | | | |
| Toluene-d8 (SURR**) | 119% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 108% | | | | |

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: SAT2SNSP** **Printed: 07/12/2005 09:47**

**Sample: 368387** **Soil, NS-SOGP113-12-14** **Collected: 04/20/05** **Analyzed: 04/26/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 6300 | ug/kg | 4 | 61 | 200 |
| sec-Butylbenzene | ND | ug/kg | 4 | 77 | 260 |
| Ethylbenzene | 1000 | ug/kg | 4 | 62 | 210 |
| ortho-Xylene | 380 | ug/kg | 4 | 51 | 170 |
| Styrene | [140] | ug/kg | 4 | 69 | 230 |
| Toluene | 2000 | ug/kg | 4 | 42 | 130 |
| 1,2,4-Trimethylbenzene | 490 | ug/kg | 4 | 59 | 200 |
| 1,3,5-Trimethylbenzene | [150] | ug/kg | 4 | 66 | 220 |
| meta,para-Xylene | 840 | ug/kg | 4 | 100 | 360 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 4 | 76 | 250 |
| Dibromofluoromethane (SURR**) | 102% | | | | |
| Toluene-d8 (SURR**) | 110% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 105% | | | | |

**Sample: 368388** **Soil, NS-SOGP116-2-4** **Collected: 04/20/05** **Analyzed: 04/26/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 2700 | ug/kg | 2 | 30 | 100 |
| sec-Butylbenzene | ND | ug/kg | 2 | 39 | 130 |
| Ethylbenzene | 1600 | ug/kg | 2 | 31 | 100 |
| ortho-Xylene | 1400 | ug/kg | 2 | 25 | 85 |
| Styrene | ND | ug/kg | 2 | 35 | 120 |
| Toluene | 130 | ug/kg | 2 | 21 | 67 |
| 1,2,4-Trimethylbenzene | 1200 | ug/kg | 2 | 29 | 98 |
| 1,3,5-Trimethylbenzene | 290 | ug/kg | 2 | 33 | 110 |
| meta,para-Xylene | 3100 | ug/kg | 2 | 50 | 180 |
| 1,2,3-Trimethylbenzene | 370 | ug/kg | 2 | 38 | 130 |
| Dibromofluoromethane (SURR**) | 106% | | | | |
| Toluene-d8 (SURR**) | 113% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 106% | | | | |

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: SAT2SNSP** **Printed: 07/12/2005 09:47**

**Sample: 368389** **Soil, NS-SOGP1 6-8-10** **Collected: 04/20/05** **Analyzed: 04/26/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 14000 | ug/kg | 100 | 1500 | 5100 |
| sec-Butylbenzene | ND | ug/kg | 100 | 1900 | 6400 |
| Ethylbenzene | 13000 | ug/kg | 100 | 1500 | 5200 |
| ortho-Xylene | 11000 | ug/kg | 100 | 1300 | 4200 |
| Styrene | 13000 | ug/kg | 100 | 1700 | 5800 |
| Toluene | 31000 | ug/kg | 100 | 1100 | 3400 |
| 1,2,4-Trimethylbenzene | 18000 | ug/kg | 100 | 1500 | 4900 |
| 1,3,5-Trimethylbenzene | [5300] | ug/kg | 100 | 1600 | 5500 |
| meta,para-Xylene | 24000 | ug/kg | 100 | 2500 | 8900 |
| 1,2,3-Trimethylbenzene | [6000] | ug/kg | 100 | 1900 | 6300 |
| Dibromofluoromethane (SURR**) | 108% | | | | |
| Toluene-d8 (SURR**) | 114% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 110% | | | | |

Sample was diluted due to high level of Naphthalene.

**Sample: 368390** **Soil, NS-SOGP11 5-14-16** **Collected: 04/20/05** **Analyzed: 04/26/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 2800 | ug/kg | 5 | 76 | 250 |
| sec-Butylbenzene | ND | ug/kg | 5 | 96 | 320 |
| Ethylbenzene | 4200 | ug/kg | 5 | 77 | 260 |
| ortho-Xylene | 1600 | ug/kg | 5 | 64 | 210 |
| Styrene | ND | ug/kg | 5 | 86 | 290 |
| Toluene | 2700 | ug/kg | 5 | 53 | 170 |
| 1,2,4-Trimethylbenzene | 1700 | ug/kg | 5 | 73 | 250 |
| 1,3,5-Trimethylbenzene | 490 | ug/kg | 5 | 82 | 270 |
| meta,para-Xylene | 3400 | ug/kg | 5 | 130 | 440 |
| 1,2,3-Trimethylbenzene | 560 | ug/kg | 5 | 94 | 320 |
| Dibromofluoromethane (SURR**) | 107% | | | | |
| Toluene-d8 (SURR**) | 114% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 111% | | | | |

Sample was diluted due to high level of Naphthalene.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 07/12/2005 09:47**

**Sample: 368391** **Soil, NS-SOGP108-1-3** **Collected: 04/20/05** **Analyzed: 04/26/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | [23] | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 1500 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | [25] | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | [42] | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 108% | | | | |
| Toluene-d8 (SURR**) | 119% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 109% | | | | |

**Sample: 368392** **Soil, NS-SOGP108-8-10** **Collected: 04/20/05** **Analyzed: 04/26/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 3300 | ug/kg | 25 | 380 | 1300 |
| sec-Butylbenzene | ND | ug/kg | 25 | 480 | 1600 |
| Ethylbenzene | 20000 | ug/kg | 25 | 390 | 1300 |
| ortho-Xylene | 9000 | ug/kg | 25 | 320 | 1100 |
| Styrene | ND | ug/kg | 25 | 430 | 1400 |
| Toluene | [520] | ug/kg | 25 | 260 | 840 |
| 1,2,4-Trimethylbenzene | 16000 | ug/kg | 25 | 370 | 1200 |
| 1,3,5-Trimethylbenzene | 5200 | ug/kg | 25 | 410 | 1400 |
| meta,para-Xylene | 5600 | ug/kg | 25 | 630 | 2200 |
| 1,2,3-Trimethylbenzene | 6000 | ug/kg | 25 | 470 | 1600 |
| Dibromofluoromethane (SURR**) | 104% | | | | |
| Toluene-d8 (SURR**) | 115% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 104% | | | | |

Sample was diluted due to high level of Naphthalene.

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**
**Project Description: Xcel RIFS /25688375**
**Project Title:** **Template: SAT2SNSP** **Printed: 07/12/2005 09:47**

**Sample: 368393** **Soil, NS-SOGP10[illegible]-13-15** **Collected: 04/20/05** **Analyzed: 04/26/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 3500 | ug/kg | 2 | 30 | 100 |
| sec-Butylbenzene | ND | ug/kg | 2 | 39 | 130 |
| Ethylbenzene | 370 | ug/kg | 2 | 31 | 100 |
| ortho-Xylene | 100 | ug/kg | 2 | 25 | 85 |
| Styrene | ND | ug/kg | 2 | 35 | 120 |
| Toluene | [43] | ug/kg | 2 | 21 | 67 |
| 1,2,4-Trimethylbenzene | [92] | ug/kg | 2 | 29 | 98 |
| 1,3,5-Trimethylbenzene | [60] | ug/kg | 2 | 33 | 110 |
| meta,para-Xylene | [110] | ug/kg | 2 | 50 | 180 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 2 | 38 | 130 |
| Dibromofluoromethane (SURR**) | 97% | | | | |
| Toluene-d8 (SURR**) | 104% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 104% | | | | |

**Sample: 368394** **Soil, NS-SOGP11[illegible]-2-4** **Collected: 04/20/05** **Analyzed: 04/27/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 2100 | ug/kg | 2 | 30 | 100 |
| sec-Butylbenzene | ND | ug/kg | 2 | 39 | 130 |
| Ethylbenzene | 1000 | ug/kg | 2 | 31 | 100 |
| ortho-Xylene | 610 | ug/kg | 2 | 25 | 85 |
| Styrene | ND | ug/kg | 2 | 35 | 120 |
| Toluene | 350 | ug/kg | 2 | 21 | 67 |
| 1,2,4-Trimethylbenzene | 860 | ug/kg | 2 | 29 | 98 |
| 1,3,5-Trimethylbenzene | 290 | ug/kg | 2 | 33 | 110 |
| meta,para-Xylene | 710 | ug/kg | 2 | 50 | 180 |
| 1,2,3-Trimethylbenzene | 460 | ug/kg | 2 | 38 | 130 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 108% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 106% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 07/12/2005 09:47**

**Sample: 368395** **Soil, NS-SOGP111-8-10** **Collected: 04/20/05** **Analyzed: 04/27/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 7800 | ug/kg | 25 | 380 | 1300 |
| sec-Butylbenzene | ND | ug/kg | 25 | 480 | 1600 |
| Ethylbenzene | 21000 | ug/kg | 25 | 390 | 1300 |
| ortho-Xylene | 8800 | ug/kg | 25 | 320 | 1100 |
| Styrene | ND | ug/kg | 25 | 430 | 1400 |
| Toluene | 9600 | ug/kg | 25 | 260 | 840 |
| 1,2,4-Trimethylbenzene | 14000 | ug/kg | 25 | 370 | 1200 |
| 1,3,5-Trimethylbenzene | 4600 | ug/kg | 25 | 410 | 1400 |
| meta,para-Xylene | 16000 | ug/kg | 25 | 630 | 2200 |
| 1,2,3-Trimethylbenzene | 4400 | ug/kg | 25 | 470 | 1600 |
| Dibromofluoromethane (SURR**) | 109% | | | | |
| Toluene-d8 (SURR**) | 120% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 109% | | | | |

Sample was diluted due to high level of Naphthalene.

**Sample: 368396** **Soil, NS-SOGP111-13-15** **Collected: 04/20/05** **Analyzed: 04/27/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 6000 | ug/kg | 4 | 61 | 200 |
| sec-Butylbenzene | ND | ug/kg | 4 | 77 | 260 |
| Ethylbenzene | 460 | ug/kg | 4 | 62 | 210 |
| ortho-Xylene | [150] | ug/kg | 4 | 51 | 170 |
| Styrene | ND | ug/kg | 4 | 69 | 230 |
| Toluene | 1200 | ug/kg | 4 | 42 | 130 |
| 1,2,4-Trimethylbenzene | 200 | ug/kg | 4 | 59 | 200 |
| 1,3,5-Trimethylbenzene | [120] | ug/kg | 4 | 66 | 220 |
| meta,para-Xylene | 490 | ug/kg | 4 | 100 | 360 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 4 | 76 | 250 |
| Dibromofluoromethane (SURR**) | 110% | | | | |
| Toluene-d8 (SURR**) | 114% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 108% | | | | |

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88830**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: SAT2SNSP Printed: 07/12/2005 09:47**

**Sample: 368397** **NS-SQ MeOH Blank 2-0405** **Collected: 04/20/05** **Analyzed: 04/27/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1 2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 107% | | | | |
| Toluene-d8 (SURR**) | 119% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 109% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
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# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

**NLS Project:** 88793
**NLS Customer:** 91206

Fax: 414 831 4101 Phone: 414 831 4100

**Project:** Xcel RIFS/25688375

**Soil, NS-SOGP106-3-4 NLS ID: 368233**
Ref. Line 1 COC 76404 Soil, NS-SOGP106-3-4 Matrix: SO
Collected: 04/19/05 08:30 Received: 04/20/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 2800 | mg/Kg DWB | 1 | 8.0 | 30 | 04/22/05 | SW846 6010 | 721026460 |
| *Antimony, tot. recoverable as Sb by furnace AAS* | ND | mg/Kg DWB | 20 | 1.5 | 5.4 | 05/12/05 | SW846 7041 | 721026460 |
| | The digested spikes for this batch showed a loss of Antimony. Analytical spikes were performed which were within QC limits. | | | | | | | |
| Arsenic, tot. recoverable as As by furnace AAS | [3.0] | mg/Kg DWB | 20 | 1.2 | 4.3 | 05/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 15 | mg/Kg DWB | 1 | 0.19 | 0.38 | 04/23/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.40 | mg/Kg DWB | 1 | 0.038 | 0.13 | 04/25/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.28 | 1.0 | 04/21/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 15000 | mg/Kg DWB | 10 | 57 | 110 | 04/22/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 5.2 | mg/Kg DWB | 1 | 0.57* | 2.0 | 05/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 5.2 | mg/Kg DWB | 1 | 0.57 | 2.0 | 04/21/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | [1.1] | mg/Kg DWB | 1 | 0.53 | 1.9 | 04/23/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 2.5 | mg/Kg DWB | 1 | 0.23 | 0.84 | 04/21/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.34 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 6700 | mg/Kg DWB | 10 | 11 | 40 | 04/22/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 6.2 | 23 | 04/22/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 4600 | mg/Kg DWB | 10 | 57 | 110 | 04/22/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 120 | mg/Kg DWB | 1 | 0.13 | 0.38 | 04/23/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.091 | 0.32 | 04/26/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | [2.8] | mg/Kg DWB | 1 | 1.3 | 4.8 | 04/21/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 430 | mg/Kg DWB | 1 | 14 | 50 | 04/21/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.4 | 4.9 | 05/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.55 | 2.0 | 04/22/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 220 | mg/Kg DWB | 1 | 1.3 | 4.6 | 04/21/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 86.6 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.8 | 6.4 | 05/10/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 8.8 | mg/Kg DWB | 1 | 0.33 | 1.2 | 04/23/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 12 | mg/Kg DWB | 1 | 0.26 | 0.76 | 04/21/05 | SW846 6010 | 721026460 |
| *Metals digestion - tot. recov. (solid) GF* | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/21/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/22/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/26/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/21/05 | SW846 3550B | 721026460 |

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400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88793
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP106-10-12 NLS ID: 368234**
Ref. Line 2 COC 76404 Soil, NS-SOGP106-10-12 Matrix: SO
Collected: 04/19/05 09:00 Received: 04/20/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 11000 | mg/Kg DWB | 1 | 7.6 | 28 | 04/22/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.9 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.8] | mg/Kg DWB | 20 | 1.1 | 3.9 | 05/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 72 | mg/Kg DWB | 1 | 0.18 | 0.36 | 04/23/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 260 | mg/Kg DWB | 5 | 0.18 | 0.63 | 04/25/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.27 | 0.97 | 04/21/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 23000 | mg/Kg DWB | 10 | 54 | 110 | 04/22/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 20 | mg/Kg DWB | 1 | 0.54* | 1.9 | 05/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.16* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 20 | mg/Kg DWB | 1 | 0.54 | 1.9 | 04/21/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.5 | mg/Kg DWB | 1 | 0.51 | 1.8 | 04/23/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 13 | mg/Kg DWB | 1 | 0.21 | 0.79 | 04/21/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.33 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 21000 | mg/Kg DWB | 10 | 10 | 38 | 04/22/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [6.7] | mg/Kg DWB | 1 | 5.8 | 21 | 04/22/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 9100 | mg/Kg DWB | 10 | 54 | 110 | 04/22/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 270 | mg/Kg DWB | 1 | 0.12 | 0.36 | 04/23/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.089 | 0.32 | 04/26/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 16 | mg/Kg DWB | 1 | 1.3 | 4.6 | 04/21/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1800 | mg/Kg DWB | 1 | 13 | 47 | 04/21/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.5 | 05/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.52 | 1.9 | 04/22/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 160 | mg/Kg DWB | 1 | 1.2 | 4.3 | 04/21/05 | SW846 6010 | 721026460 |
| Solics, total on solids | 88.4 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.8 | 05/10/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 33 | mg/Kg DWB | 1 | 0.31 | 1.2 | 04/23/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 32 | mg/Kg DWB | 1 | 0.24 | 0.72 | 04/21/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/21/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/22/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/26/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/21/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88793**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

**Soil, NS-SOGP106-14-16 NLS ID: 368235**
Ref. Line 3 COC 76404 Soil, NS-SOGP106-14-16 Matrix: SO
Collected: 04/19/05 08:50 Received: 04/20/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 11000 | mg/Kg DWB | 1 | 7.8 | 29 | 04/22/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.8 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.3] | mg/Kg DWB | 20 | 1.1 | 3.8 | 05/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 67 | mg/Kg DWB | 1 | 0.19 | 0.37 | 04/23/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.93 | mg/Kg DWB | 5 | 0.19 | 0.65 | 04/25/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.28 | 1.0 | 04/21/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 30000 | mg/Kg DWB | 10 | 56 | 110 | 04/22/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 19 | mg/Kg DWB | 1 | 0.56* | 2.0 | 05/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.16* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 19 | mg/Kg DWB | 1 | 0.56 | 2.0 | 04/21/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.3 | mg/Kg DWB | 1 | 0.52 | 1.8 | 04/23/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 15 | mg/Kg DWB | 1 | 0.22 | 0.82 | 04/21/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.10 | 0.30 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 23000 | mg/Kg DWB | 10 | 10 | 39 | 04/22/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 6.0 | 22 | 04/22/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 9800 | mg/Kg DWB | 10 | 56 | 110 | 04/22/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 250 | mg/Kg DWB | 1 | 0.12 | 0.37 | 04/23/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.088 | 0.31 | 04/26/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 16 | mg/Kg DWB | 1 | 1.3 | 4.7 | 04/21/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1900 | mg/Kg DWB | 1 | 13 | 49 | 04/21/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.4 | 05/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.54 | 1.9 | 04/22/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 180 | mg/Kg DWB | 1 | 1.2 | 4.5 | 04/21/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 89.3 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.7 | 05/10/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 35 | mg/Kg DWB | 1 | 0.32 | 1.2 | 04/23/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 35 | mg/Kg DWB | 1 | 0.25 | 0.74 | 04/21/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/21/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/22/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/26/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/21/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88793
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP109-2-4 NLS ID: 368236**
Ref. Line 4 COC 76404 Soil, NS-SOGP109-2-4 Matrix: SO
Collected: 04/19/05 09:25 Received: 04/20/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 9700 | mg/Kg DWB | 1 | 8.3 | 31 | 04/22/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.5 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 4.7 | mg/Kg DWB | 20 | 1.2 | 4.3 | 05/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 67 | mg/Kg DWB | 1 | 0.20 | 0.40 | 04/23/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.26] | mg/Kg DWB | 5 | 0.20 | 0.69 | 04/25/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | [0.55] | mg/Kg DWB | 1 | 0.29 | 1.1 | 04/21/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 34000 | mg/Kg DWB | 10 | 59 | 120 | 04/22/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 17 | mg/Kg DWB | 1 | 0.59* | 2.1 | 05/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 17 | mg/Kg DWB | 1 | 0.59 | 2.1 | 04/21/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 3.4 | mg/Kg DWB | 1 | 0.55 | 1.9 | 04/23/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 37 | mg/Kg DWB | 1 | 0.23 | 0.87 | 04/21/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 1.0 | mg/Kg DWB | 1 | 0.12 | 0.37 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron tot. recoverable as Fe by ICP | 14000 | mg/Kg DWB | 10 | 11 | 41 | 04/22/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 160 | mg/Kg DWB | 1 | 6.4 | 23 | 04/22/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 6400 | mg/Kg DWB | 10 | 59 | 120 | 04/22/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 180 | mg/Kg DWB | 1 | 0.13 | 0.40 | 04/23/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | 0.35 | mg/Kg DWB | 1 | 0.095 | 0.34 | 04/26/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 10 | mg/Kg DWB | 1 | 1.4 | 5.0 | 04/21/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 940 | mg/Kg DWB | 1 | 14 | 52 | 04/21/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | [1.7] | mg/Kg DWB | 20 | 1.4 | 4.9 | 05/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.57 | 2.1 | 04/22/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 790 | mg/Kg DWB | 1 | 1.3 | 4.8 | 04/21/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 83.4 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.8 | 6.4 | 05/10/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 22 | mg/Kg DWB | 1 | 0.34 | 1.3 | 04/23/05 | SW846 6010 | 721026460 |
| Zinc tot. recoverable as Zn by ICP | 300 | mg/Kg DWB | 1 | 0.27 | 0.79 | 04/21/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/21/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/22/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/26/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/21/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 88793
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP109-6-8 NLS ID: 368237**
Ref. Line 5 COC 76404 Soil, NS-SOGP109-6-8 Matrix: SO
Collected: 04/19/05 10:00 Received: 04/20/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 7800 | mg/Kg DWB | 1 | 10 | 38 | 04/22/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.7 | 6.1 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 5.1 | mg/Kg DWB | 20 | 1.4 | 4.9 | 05/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 71 | mg/Kg DWB | 1 | 0.24 | 0.48 | 04/23/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.51] | mg/Kg DWB | 5 | 0.24 | 0.85 | 04/25/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.36 | 1.3 | 04/21/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 19000 | mg/Kg DWB | 10 | 73 | 150 | 04/22/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 16 | mg/Kg DWB | 1 | 0.73* | 2.6 | 05/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.21* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 16 | mg/Kg DWB | 1 | 0.73 | 2.6 | 04/21/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.3 | mg/Kg DWB | 1 | 0.68 | 2.4 | 04/23/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 63 | mg/Kg DWB | 1 | 0.29 | 1.1 | 04/21/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 3.1 | mg/Kg DWB | 1 | 0.15 | 0.44 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 23000 | mg/Kg DWB | 10 | 14 | 50 | 04/22/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 83 | mg/Kg DWB | 1 | 7.8 | 29 | 04/22/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 4800 | mg/Kg DWB | 10 | 73 | 150 | 04/22/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 370 | mg/Kg DWB | 1 | 0.16 | 0.48 | 04/23/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | [0.23] | mg/Kg DWB | 1 | 0.11 | 0.41 | 04/26/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 16 | mg/Kg DWB | 1 | 1.7 | 6.1 | 04/21/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1300 | mg/Kg DWB | 1 | 17 | 63 | 04/21/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | [2.1] | mg/Kg DWB | 20 | 1.6 | 5.6 | 05/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.70 | 2.5 | 04/22/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 220 | mg/Kg DWB | 1 | 1.6 | 5.8 | 04/21/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 69.0 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 2.0 | 7.2 | 05/10/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 21 | mg/Kg DWB | 1 | 0.42 | 1.5 | 04/23/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 110 | mg/Kg DWB | 1 | 0.32 | 0.97 | 04/21/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/21/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/22/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/26/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/21/05 | SW846 3550B | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88793
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP112-1-3 NLS ID: 368238**
Ref. Line 7 COC 76404 Soil, NS-SOGP112-1-3 Matrix: SO
Collected: 04/19/05 11:00 Received: 04/20/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 7400 | mg/Kg DWB | 1 | 8.5 | 32 | 04/22/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.3 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.6] | mg/Kg DWB | 20 | 1.2 | 4.2 | 05/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 69 | mg/Kg DWB | 1 | 0.20 | 0.41 | 04/23/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.61] | mg/Kg DWB | 5 | 0.20 | 0.71 | 04/25/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | [0.39] | mg/Kg DWB | 1 | 0.30 | 1.1 | 04/21/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 6400 | mg/Kg DWB | 10 | 61 | 120 | 04/22/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 17 | mg/Kg DWB | 1 | 0.61* | 2.2 | 05/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.15* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 17 | mg/Kg DWB | 1 | 0.61 | 2.2 | 04/21/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.2 | mg/Kg DWB | 1 | 0.57 | 2.0 | 04/23/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 39 | mg/Kg DWB | 1 | 0.24 | 0.90 | 04/21/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 4.8 | mg/Kg DWB | 2 | 0.11 | 0.32 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 20000 | mg/Kg DWB | 10 | 11 | 42 | 04/22/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 62 | mg/Kg DWB | 1 | 6.6 | 24 | 04/22/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 4000 | mg/Kg DWB | 10 | 61 | 120 | 04/22/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 190 | mg/Kg DWB | 1 | 0.13 | 0.41 | 04/23/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.096 | 0.34 | 04/26/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 19 | mg/Kg DWB | 1 | 1.4 | 5.2 | 04/21/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 740 | mg/Kg DWB | 1 | 15 | 53 | 04/21/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | [1.5] | mg/Kg DWB | 20 | 1.4 | 4.8 | 05/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.59 | 2.1 | 04/22/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 210 | mg/Kg DWB | 1 | 1.3 | 4.9 | 04/21/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 82.1 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.8 | 6.3 | 05/10/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 37 | mg/Kg DWB | 1 | 0.35 | 1.3 | 04/23/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 120 | mg/Kg DWB | 1 | 0.27 | 0.81 | 04/21/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/21/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/22/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/04/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/21/05 | SW846 3550B | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RIFS/25688375

NLS Project: 88793
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

**Soil, NS-SOGP112-3-4 NLS ID: 368239**
Ref. Line 8 COC 76404 Soil, NS-SOGP112-3-4 Matrix: SO
Collected: 04/19/05 11:40 Received: 04/20/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 11000 | mg/Kg DWB | 1 | 7.1 | 26 | 04/22/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 4.0 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.9] | mg/Kg DWB | 20 | 0.89 | 3.2 | 05/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 91 | mg/Kg DWB | 1 | 0.17 | 0.34 | 04/23/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.71 | mg/Kg DWB | 5 | 0.17 | 0.59 | 04/25/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | [0.32] | mg/Kg DWB | 1 | 0.25 | 0.91 | 04/21/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 16000 | mg/Kg DWB | 10 | 51 | 100 | 04/22/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 19 | mg/Kg DWB | 1 | 0.51* | 1.8 | 05/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.15* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 19 | mg/Kg DWB | 1 | 0.51 | 1.8 | 04/21/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.7 | mg/Kg DWB | 1 | 0.47 | 1.7 | 04/23/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 29 | mg/Kg DWB | 1 | 0.20 | 0.74 | 04/21/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 1.4 | mg/Kg DWB | 1 | 0.097 | 0.29 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 20000 | mg/Kg DWB | 10 | 9.5 | 35 | 04/22/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 96 | mg/Kg DWB | 1 | 5.5 | 20 | 04/22/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 6300 | mg/Kg DWB | 10 | 51 | 100 | 04/22/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 280 | mg/Kg DWB | 1 | 0.11 | 0.34 | 04/23/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | [0.24] | mg/Kg DWB | 1 | 0.085 | 0.30 | 04/26/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 16 | mg/Kg DWB | 1 | 1.2 | 4.3 | 04/21/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1900 | mg/Kg DWB | 1 | 12 | 44 | 04/21/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.0 | 3.6 | 05/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.49 | 1.8 | 04/22/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 350 | mg/Kg DWB | 1 | 1.1 | 4.1 | 04/21/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 93.4 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.7 | 05/10/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 29 | mg/Kg DWB | 1 | 0.29 | 1.1 | 04/23/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 150 | mg/Kg DWB | 1 | 0.23 | 0.68 | 04/21/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/21/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/22/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/26/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/21/05 | SW846 3550B | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88793
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP104-2-4 NLS ID: 368240**
Ref. Line 9 COC 76404 Soil, NS-SOGP104-2-4 Matrix: SO
Collected: 04/19/05 12:10 Received: 04/20/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 13000 | mg/Kg DWB | 1 | 7.8 | 29 | 04/22/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 3.8 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.7] | mg/Kg DWB | 20 | 0.86 | 3.0 | 05/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 74 | mg/Kg DWB | 1 | 0.19 | 0.37 | 04/23/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.59] | mg/Kg DWB | 5 | 0.19 | 0.65 | 04/25/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.27 | 1.0 | 04/21/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 60000 | mg/Kg DWB | 100 | 560 | 1100 | 04/22/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 26 | mg/Kg DWB | 1 | 0.56* | 2.0 | 05/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 26 | mg/Kg DWB | 1 | 0.56 | 2.0 | 04/21/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.8 | mg/Kg DWB | 1 | 0.52 | 1.8 | 04/23/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 17 | mg/Kg DWB | 1 | 0.22 | 0.82 | 04/21/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 2.9 | mg/Kg DWB | 1 | 0.11 | 0.34 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 22000 | mg/Kg DWB | 10 | 10 | 39 | 04/22/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [9.4] | mg/Kg DWB | 1 | 6.0 | 22 | 04/22/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 15000 | mg/Kg DWB | 10 | 56 | 110 | 04/22/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 370 | mg/Kg DWB | 1 | 0.12 | 0.37 | 04/23/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.094 | 0.33 | 04/26/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 18 | mg/Kg DWB | 1 | 1.3 | 4.7 | 04/21/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2300 | mg/Kg DWB | 1 | 13 | 49 | 04/21/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.0 | 3.5 | 05/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.54 | 1.9 | 04/22/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 230 | mg/Kg DWB | 1 | 1.2 | 4.4 | 04/21/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 84.1 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | [1.5] | mg/Kg DWB | 20 | 1.3 | 4.5 | 05/10/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 32 | mg/Kg DWB | 1 | 0.32 | 1.2 | 04/23/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 35 | mg/Kg DWB | 1 | 0.25 | 0.74 | 04/21/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/21/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/22/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/26/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/21/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88793
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP104-4-6 NLS ID: 368241**
Ref. Line 10 COC 76404 Soil, NS-SOGP104-4-6 Matrix: SO
Collected: 04/19/05 13:20 Received: 04/20/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 12000 | mg/Kg DWB | 1 | 6.8 | 25 | 04/22/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.8 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.7] | mg/Kg DWB | 20 | 1.1 | 3.8 | 05/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 72 | mg/Kg DWB | 1 | 0.16 | 0.32 | 04/23/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.68 | mg/Kg DWB | 5 | 0.16 | 0.57 | 04/25/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.24 | 0.87 | 04/21/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 60000 | mg/Kg DWB | 100 | 490 | 970 | 04/22/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 21 | mg/Kg DWB | 1 | 0.49* | 1.7 | 05/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 21 | mg/Kg DWB | 1 | 0.49 | 1.7 | 04/21/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.2 | mg/Kg DWB | 1 | 0.45 | 1.6 | 04/23/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 15 | mg/Kg DWB | 1 | 0.19 | 0.71 | 04/21/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 1.9 | mg/Kg DWB | 1 | 0.11 | 0.34 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 21000 | mg/Kg DWB | 10 | 9.1 | 34 | 04/22/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [8.1] | mg/Kg DWB | 1 | 5.2 | 19 | 04/22/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 12000 | mg/Kg DWB | 10 | 49 | 97 | 04/22/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 420 | mg/Kg DWB | 1 | 0.11 | 0.32 | 04/23/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.095 | 0.34 | 04/26/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 16 | mg/Kg DWB | 1 | 1.1 | 4.1 | 04/21/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2100 | mg/Kg DWB | 1 | 12 | 42 | 04/21/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.4 | 05/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.47 | 1.7 | 04/22/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 190 | mg/Kg DWB | 1 | 1.1 | 3.9 | 04/21/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 83.0 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.7 | 05/10/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 29 | mg/Kg DWB | 1 | 0.28 | 1.0 | 04/23/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 32 | mg/Kg DWB | 1 | 0.22 | 0.65 | 04/21/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/21/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/22/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/26/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/21/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 88793
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP104-10-12 NLS ID: 358242**
Ref. Line 1 COC 76405 Soil, NS-SOGP104-10-12 Matrix: SO
Collected: 04/19/05 13:05 Received: 04/20/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 10000 | mg/Kg DWB | 1 | 7.3 | 27 | 04/22/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 4.0 | 05/12/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.5] | mg/Kg DWB | 20 | 0.90 | 3.2 | 05/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 54 | mg/Kg DWB | 1 | 0.17 | 0.35 | 04/23/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.66 | mg/Kg DWB | 5 | 0.17 | 0.61 | 04/25/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.26 | 0.94 | 04/21/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 63000 | mg/Kg DWB | 100 | 520 | 1000 | 04/22/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 20 | mg/Kg DWB | 1 | 0.52* | 1.8 | 05/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.18* | | 04/26/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 20 | mg/Kg DWB | 1 | 0.52 | 1.8 | 04/21/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.3 | mg/Kg DWB | 1 | 0.49 | 1.7 | 04/23/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 12 | mg/Kg DWB | 1 | 0.20 | 0.76 | 04/21/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 1.9 | mg/Kg DWB | 1 | 0.12 | 0.37 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 17000 | mg/Kg DWB | 10 | 9.7 | 36 | 04/22/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.6 | 20 | 04/22/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 21000 | mg/Kg DWB | 10 | 52 | 100 | 04/22/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 290 | mg/Kg DWB | 1 | 0.11 | 0.35 | 04/23/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.095 | 0.34 | 04/26/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 13 | mg/Kg DWB | 1 | 1.2 | 4.4 | 04/21/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1600 | mg/Kg DWB | 1 | 12 | 45 | 04/21/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.1 | 3.7 | 05/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.50 | 1.8 | 04/22/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 220 | mg/Kg DWB | 1 | 1.1 | 4.2 | 04/21/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 83.1 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.8 | 05/10/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 25 | mg/Kg DWB | 1 | 0.30 | 1.1 | 04/23/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 24 | mg/Kg DWB | 1 | 0.23 | 0.69 | 04/21/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/21/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/22/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 04/26/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/21/05 | SW846 3550B | 721026460 |

**NS-SQ MeOH Blank 1-0405 NLS ID: 368243**
Ref. Line 4 COC 76405 NS-SQ MeOH Blank 1-0405 Matrix: TB
Collected: 04/19/05 00:00 Received: 04/20/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/22/05 | SW846 8260 | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
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# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Project:** **Xcel RIFS/25688375**

**NLS Project: 88793**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88793**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP Printed: 05/13/2005 13:59**

**Sample: 368233 Soil, NS-SOGP106-3-4** **Collected: 04/19/05** **Analyzed: 04/26/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | 110 | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | 120 | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | [110] | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | [98] | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | [57] | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | [82] | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 61% | | | | |
| Phenol-d5 (SURR**) | 68% | | | | |
| Nitrobenzene-d5 (SURR**) | 72% | | | | |
| 2-Fluorobiphenyl (SURR**) | 78% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 78% | | | | |
| Terphenyl-d14 (SURR**) | 79% | | | | |

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88793**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 05/13/2005 13:59**

**Sample: 368234** **Soil, NS-SOGP106-10-12** **Collected: 04/19/05** **Analyzed: 04/26/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [1700] | ug/Kg | 20 | 650 | 2200 |
| Acenaphthylene | [1600] | ug/Kg | 20 | 610 | 2000 |
| Anthracene | 2900 | ug/Kg | 20 | 770 | 2600 |
| Benzo[a]anthracene | [1500] | ug/Kg | 20 | 680 | 2300 |
| Benzo[a]pyrene | [1100] | ug/Kg | 20 | 680 | 2300 |
| Benzo[b]fluoranthene | [1000] | ug/Kg | 20 | 750 | 2500 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 20 | 650 | 2200 |
| Benzo[k]fluoranthene | ND | ug/Kg | 20 | 760 | 2500 |
| Chrysene | [1400] | ug/Kg | 20 | 710 | 2400 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 20 | 680 | 2300 |
| Dibenzofuran | [1400] | ug/Kg | 20 | 630 | 2100 |
| Fluoranthene | 3300 | ug/Kg | 20 | 750 | 2500 |
| Fluorene | ND | ug/Kg | 20 | 650 | 2200 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 20 | 620 | 2100 |
| 1-Methylnaphthalene | 14000 | ug/Kg | 20 | 630 | 2100 |
| 2-Methylnaphthalene | 21000 | ug/Kg | 20 | 620 | 2100 |
| 2-Methylphenol | ND | ug/Kg | 20 | 520 | 1700 |
| 3 & 4-Methylphenol | ND | ug/Kg | 20 | 1100 | 3900 |
| Naphthalene | 27000 | ug/Kg | 20 | 610 | 2000 |
| Phenanthrene | 12000 | ug/Kg | 20 | 730 | 2400 |
| Phenol | ND | ug/Kg | 20 | 560 | 1900 |
| Pyrene | 4300 | ug/Kg | 20 | 710 | 2400 |
| Benzo[e]pyrene | ND | ug/Kg | 20 | 760 | 2500 |
| 2-Fluorophenol (SURR**) | 84% | | | | |
| Phenol-d5 (SURR**) | 83% | | | | |
| Nitrobenzene-d5 (SURR**) | 77% | | | | |
| 2-Fluorobiphenyl (SURR**) | 84% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 77% | | | | |
| Terphenyl-d14 (SURR**) | 87% | | | | |

10 mL final extract volume.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88793**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/13/2005 13:59**

**Sample: 368235** **Soil, NS-SOGP106-14-16** **Collected: 04/19/05** **Analyzed: 04/26/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | 130 | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | 190 | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | 270 | ug/Kg | 1 | 55 | 190 |
| Naphthalene | 380 | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | [52] | ug/Kg | 1 | 37 | 120 |
| Phenol | 340 | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 67% | | | | |
| Phenol-d5 (SURR**) | 69% | | | | |
| Nitrobenzene-d5 (SURR**) | 67% | | | | |
| 2-Fluorobiphenyl (SURR**) | 76% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 88% | | | | |
| Terphenyl-d14 (SURR**) | 82% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88793**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/13/2005 13:59**

**Sample: 368236** **Soil, NS-SOGP109-2-4** **Collected: 04/19/05** **Analyzed: 04/26/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 40 | 1300 | 4300 |
| Acenaphthylene | 9100 | ug/Kg | 40 | 1200 | 4100 |
| Anthracene | [3900] | ug/Kg | 40 | 1500 | 5100 |
| Benzo[a]anthracene | 7300 | ug/Kg | 40 | 1400 | 4600 |
| Benzo[a]pyrene | 32000 | ug/Kg | 40 | 1400 | 4500 |
| Benzo[b]fluoranthene | 28000 | ug/Kg | 40 | 1500 | 5000 |
| Benzo[g,h,i]perylene | 27000 | ug/Kg | 40 | 1300 | 4300 |
| Benzo[k]fluoranthene | 7500 | ug/Kg | 40 | 1500 | 5100 |
| Chrysene | 11000 | ug/Kg | 40 | 1400 | 4800 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 40 | 1400 | 4500 |
| Dibenzofuran | ND | ug/Kg | 40 | 1300 | 4200 |
| Fluoranthene | 6400 | ug/Kg | 40 | 1500 | 5000 |
| Fluorene | ND | ug/Kg | 40 | 1300 | 4300 |
| Indeno[1,2,3-cd]pyrene | 10000 | ug/Kg | 40 | 1200 | 4200 |
| 1-Methylnaphthalene | ND | ug/Kg | 40 | 1300 | 4200 |
| 2-Methylnaphthalene | ND | ug/Kg | 40 | 1200 | 4100 |
| 2-Methylphenol | ND | ug/Kg | 40 | 1000 | 3500 |
| 3 & 4-Methylphenol | ND | ug/Kg | 40 | 2200 | 7700 |
| Naphthalene | ND | ug/Kg | 40 | 1200 | 4100 |
| Phenanthrene | [2100] | ug/Kg | 40 | 1500 | 4900 |
| Phenol | ND | ug/Kg | 40 | 1100 | 3800 |
| Pyrene | 17000 | ug/Kg | 40 | 1400 | 4700 |
| Benzo[e]pyrene | 27000 | ug/Kg | 40 | 1500 | 5100 |
| 2-Fluorophenol (SURR**) | 61% | | | | |
| Phenol-d5 (SURR**) | 69% | | | | |
| Nitrobenzene-d5 (SURR**) | 54% | | | | |
| 2-Fluorobiphenyl (SURR**) | 67% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 83% | | | | |
| Terphenyl-d14 (SURR**) | 72% | | | | |

10 mL final extract volume.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88793**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 05/13/2005 13:59**

**Sample: 368237** **Soil, NS-SOGP109-6-8** **Collected: 04/19/05** **Analyzed: 04/26/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 420000 | ug/Kg | 2000 | 65000 | 220000 |
| Acenaphthylene | ND | ug/Kg | 2000 | 61000 | 200000 |
| Anthracene | [130000] | ug/Kg | 2000 | 77000 | 260000 |
| Benzo[a]anthracene | ND | ug/Kg | 2000 | 68000 | 230000 |
| Benzo[a]pyrene | ND | ug/Kg | 2000 | 68000 | 230000 |
| Benzo[b]fluoranthene | ND | ug/Kg | 2000 | 75000 | 250000 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 2000 | 65000 | 220000 |
| Benzo[k]fluoranthene | ND | ug/Kg | 2000 | 76000 | 250000 |
| Chrysene | ND | ug/Kg | 2000 | 71000 | 240000 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 2000 | 68000 | 230000 |
| Dibenzofuran | ND | ug/Kg | 2000 | 63000 | 210000 |
| Fluoranthene | [160000] | ug/Kg | 2000 | 75000 | 250000 |
| Fluorene | [170000] | ug/Kg | 2000 | 65000 | 220000 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 2000 | 62000 | 210000 |
| 1-Methylnaphthalene | 940000 | ug/Kg | 2000 | 63000 | 210000 |
| 2-Methylnaphthalene | 1500000 | ug/Kg | 2000 | 62000 | 210000 |
| 2-Methylphenol | ND | ug/Kg | 2000 | 52000 | 170000 |
| 3 & 4-Methylphenol | ND | ug/Kg | 2000 | 110000 | 390000 |
| Naphthalene | 2900000 | ug/Kg | 2000 | 61000 | 200000 |
| Phenanthrene | 520000 | ug/Kg | 2000 | 73000 | 240000 |
| Phenol | ND | ug/Kg | 2000 | 56000 | 190000 |
| Pyrene | 280000 | ug/Kg | 2000 | 71000 | 240000 |
| Benzo[e]pyrene | ND | ug/Kg | 2000 | 76000 | 250000 |
| 2-Fluorophenol (SURR**) | 45% | | | | |
| Phenol-d5 (SURR**) | 102% | | | | |
| Nitrobenzene-d5 (SURR**) | 138% | | | | |
| 2-Fluorobiphenyl (SURR**) | 87% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 0% | | | | |
| Terphenyl-d14 (SURR**) | 0% | | | | |

10 mL final extract volume.

Surrogate recoveries for Phenol-d5 and Nitrobenzene-d5 were outside QC limits due to sample matrix.

The surrogates 2,4,6-Tribromophenol and Terphenyl-d14 did not recover due to sample matrix and a high dilution factor.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88793**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 05/13/2005 13:59**

**Sample: 368238** **Soil, NS-SOGP112-1-3** **Collected: 04/19/05** **Analyzed: 05/04/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 4 | 130 | 430 |
| Acenaphthylene | ND | ug/Kg | 4 | 120 | 410 |
| Anthracene | ND | ug/Kg | 4 | 150 | 510 |
| Benzo[a]anthracene | ND | ug/Kg | 4 | 140 | 460 |
| Benzo[a]pyrene | ND | ug/Kg | 4 | 140 | 450 |
| Benzo[b]fluoranthene | [190] | ug/Kg | 4 | 150 | 500 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 4 | 130 | 430 |
| Benzo[k]fluoranthene | ND | ug/Kg | 4 | 150 | 510 |
| Chrysene | ND | ug/Kg | 4 | 140 | 480 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 4 | 140 | 450 |
| Dibenzofuran | ND | ug/Kg | 4 | 130 | 420 |
| Fluoranthene | ND | ug/Kg | 4 | 150 | 500 |
| Fluorene | ND | ug/Kg | 4 | 130 | 430 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 4 | 120 | 420 |
| 1-Methylnaphthalene | ND | ug/Kg | 4 | 130 | 420 |
| 2-Methylnaphthalene | ND | ug/Kg | 4 | 120 | 410 |
| 2-Methylphenol | ND | ug/Kg | 4 | 100 | 350 |
| 3 & 4-Methylphenol | ND | ug/Kg | 4 | 220 | 770 |
| Naphthalene | ND | ug/Kg | 4 | 120 | 410 |
| Phenanthrene | ND | ug/Kg | 4 | 150 | 490 |
| Phenol | ND | ug/Kg | 4 | 110 | 380 |
| Pyrene | [260] | ug/Kg | 4 | 140 | 470 |
| Benzo[e]pyrene | ND | ug/Kg | 4 | 150 | 510 |
| 2-Fluorophenol (SURR**) | 57% | | | | |
| Phenol-d5 (SURR**) | 64% | | | | |
| Nitrobenzene-d5 (SURR**) | 64% | | | | |
| 2-Fluorobiphenyl (SURR**) | 75% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 60% | | | | |
| Terphenyl-d14 (SURR**) | 73% | | | | |

2 mL final extract volume.
Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88793**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 05/13/2005 13:59**

**Sample: 368239** **Soil, NS-SOGP112-3-4** **Collected: 04/19/05** **Analyzed: 04/26/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 490000 | ug/Kg | 1000 | 32000 | 110000 |
| Acenaphthylene | [56000] | ug/Kg | 1000 | 31000 | 100000 |
| Anthracene | 310000 | ug/Kg | 1000 | 38000 | 130000 |
| Benzo[a]anthracene | 170000 | ug/Kg | 1000 | 34000 | 110000 |
| Benzo[a]pyrene | 170000 | ug/Kg | 1000 | 34000 | 110000 |
| Benzo[b]fluoranthene | 180000 | ug/Kg | 1000 | 38000 | 130000 |
| Benzo[g,h,i]perylene | [44000] | ug/Kg | 1000 | 33000 | 110000 |
| Benzo[k]fluoranthene | [54000] | ug/Kg | 1000 | 38000 | 130000 |
| Chrysene | 170000 | ug/Kg | 1000 | 36000 | 120000 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1000 | 34000 | 110000 |
| Dibenzofuran | ND | ug/Kg | 1000 | 32000 | 110000 |
| Fluoranthene | 370000 | ug/Kg | 1000 | 37000 | 120000 |
| Fluorene | 260000 | ug/Kg | 1000 | 32000 | 110000 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1000 | 31000 | 100000 |
| 1-Methylnaphthalene | 660000 | ug/Kg | 1000 | 32000 | 110000 |
| 2-Methylnaphthalene | 1100000 | ug/Kg | 1000 | 31000 | 100000 |
| 2-Methylphenol | ND | ug/Kg | 1000 | 26000 | 87000 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1000 | 55000 | 190000 |
| Naphthalene | 1000000 | ug/Kg | 1000 | 31000 | 100000 |
| Phenanthrene | 1000000 | ug/Kg | 1000 | 37000 | 120000 |
| Phenol | ND | ug/Kg | 1000 | 28000 | 94000 |
| Pyrene | 710000 | ug/Kg | 1000 | 36000 | 120000 |
| Benzo[e]pyrene | [96000] | ug/Kg | 1000 | 38000 | 130000 |
| 2-Fluorophenol (SURR**) | 60% | | | | |
| Phenol-d5 (SURR**) | 68% | | | | |
| Nitrobenzene-d5 (SURR**) | 328% | | | | |
| 2-Fluorobiphenyl (SURR**) | 104% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 0% | | | | |
| Terphenyl-d14 (SURR**) | 99% | | | | |

10 mL final extract volume.
Surrogate recovery for Nitrobenzene-d5 was outside QC limits due to sample matrix.
The surrogate 2,4,6-Tribromophenol did not recover due to sample matrix and a high dilution factor.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88793**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 05/13/2005 13:59**

**Sample: 368240** **Soil, NS-SOGP104-2-4** **Collected: 04/19/05** **Analyzed: 04/26/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 40000 | ug/Kg | 80 | 2600 | 8600 |
| Acenaphthylene | [6600] | ug/Kg | 80 | 2500 | 8200 |
| Anthracene | 15000 | ug/Kg | 80 | 3100 | 10000 |
| Benzo[a]anthracene | 9700 | ug/Kg | 80 | 2700 | 9100 |
| Benzo[a]pyrene | 11000 | ug/Kg | 80 | 2700 | 9100 |
| Benzo[b]fluoranthene | 10000 | ug/Kg | 80 | 3000 | 10000 |
| Benzo[g,h,i]perylene | [3900] | ug/Kg | 80 | 2600 | 8700 |
| Benzo[k]fluoranthene | [4100] | ug/Kg | 80 | 3100 | 10000 |
| Chrysene | 10000 | ug/Kg | 80 | 2900 | 9500 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 80 | 2700 | 9100 |
| Dibenzofuran | [4800] | ug/Kg | 80 | 2500 | 8400 |
| Fluoranthene | 19000 | ug/Kg | 80 | 3000 | 10000 |
| Fluorene | 22000 | ug/Kg | 80 | 2600 | 8700 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 80 | 2500 | 8300 |
| 1-Methylnaphthalene | 90000 | ug/Kg | 80 | 2500 | 8400 |
| 2-Methylnaphthalene | [7500] | ug/Kg | 80 | 2500 | 8300 |
| 2-Methylphenol | ND | ug/Kg | 80 | 2100 | 7000 |
| 3 & 4-Methylphenol | ND | ug/Kg | 80 | 4400 | 15000 |
| Naphthalene | 30000 | ug/Kg | 80 | 2500 | 8200 |
| Phenanthrene | 37000 | ug/Kg | 80 | 2900 | 9800 |
| Phenol | ND | ug/Kg | 80 | 2300 | 7500 |
| Pyrene | 31000 | ug/Kg | 80 | 2800 | 9500 |
| Benzo[e]pyrene | [7700] | ug/Kg | 80 | 3000 | 10000 |
| 2-Fluorophenol (SURR**) | 82% | | | | |
| Phenol-d5 (SURR**) | 82% | | | | |
| Nitrobenzene-d5 (SURR**) | 117% | | | | |
| 2-Fluorobiphenyl (SURR**) | 102% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 76% | | | | |
| Terphenyl-d14 (SURR**) | 103% | | | | |

10 mL final extract volume.
Surrogate recovery for Nitrobenzene-d5 was outside QC limits due to sample matrix.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88793**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/13/2005 13:59**

**Sample: 368241** **Soil, NS-SOGP:04-4-6** **Collected: 04/19/05** **Analyzed: 04/26/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 8100 | ug/Kg | 40 | 1300 | 4300 |
| Acenaphthylene | [3700] | ug/Kg | 40 | 1200 | 4100 |
| Anthracene | 8500 | ug/Kg | 40 | 1500 | 5100 |
| Benzo[a]anthracene | 14000 | ug/Kg | 40 | 1400 | 4600 |
| Benzo[a]pyrene | 16000 | ug/Kg | 40 | 1400 | 4500 |
| Benzo[b]fluoranthene | 16000 | ug/Kg | 40 | 1500 | 5000 |
| Benzo[g,h,i]perylene | 6000 | ug/Kg | 40 | 1300 | 4300 |
| Benzo[k]fluoranthene | 5300 | ug/Kg | 40 | 1500 | 5100 |
| Chrysene | 14000 | ug/Kg | 40 | 1400 | 4800 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 40 | 1400 | 4500 |
| Dibenzofuran | ND | ug/Kg | 40 | 1300 | 4200 |
| Fluoranthene | 29000 | ug/Kg | 40 | 1500 | 5000 |
| Fluorene | 5700 | ug/Kg | 40 | 1300 | 4300 |
| Indeno[1,2,3-cd]pyrene | [2900] | ug/Kg | 40 | 1200 | 4200 |
| 1-Methylnaphthalene | 8300 | ug/Kg | 40 | 1300 | 4200 |
| 2-Methylnaphthalene | [1800] | ug/Kg | 40 | 1200 | 4100 |
| 2-Methylphenol | ND | ug/Kg | 40 | 1000 | 3500 |
| 3 & 4-Methylphenol | ND | ug/Kg | 40 | 2200 | 7700 |
| Naphthalene | 4400 | ug/Kg | 40 | 1200 | 4100 |
| Phenanthrene | 21000 | ug/Kg | 40 | 1500 | 4900 |
| Phenol | ND | ug/Kg | 40 | 1100 | 3800 |
| Pyrene | 57000 | ug/Kg | 40 | 1400 | 4700 |
| Benzo[e]pyrene | 12000 | ug/Kg | 40 | 1500 | 5100 |
| 2-Fluorophenol (SURR**) | 80% | | | | |
| Phenol-d5 (SURR**) | 81% | | | | |
| Nitrobenzene-d5 (SURR**) | 76% | | | | |
| 2-Fluorobiphenyl (SURR**) | 93% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 68% | | | | |
| Terphenyl-d14 (SURR**) | 94% | | | | |

10 mL final extract volume.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88793**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/13/2005 13:59**

**Sample: 368242** **Soil, NS-SOGP104-10-12** **Collected: 04/19/05** **Analyzed: 04/26/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [41] | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | [59] | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | [56] | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | [60] | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | [58] | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | [57] | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | 160 | ug/Kg | 1 | 37 | 120 |
| Fluorene | [68] | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | 130 | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | [51] | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | 370 | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | 310 | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | [47] | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 58% | | | | |
| Phenol-d5 (SURR**) | 61% | | | | |
| Nitrobenzene-d5 (SURR**) | 58% | | | | |
| 2-Fluorobiphenyl (SURR**) | 63% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 71% | | | | |
| Terphenyl-d14 (SURR**) | 78% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

# ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88793**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: SAT2SNSP** **Printed: 05/13/2005 13:59**

**Sample: 368233** **Soil, NS-SOGP106-3-4** **Collected: 04/19/05** **Analyzed: 04/22/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [14] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 111% | | | | |
| Toluene-d8 (SURR**) | 111% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 112% | | | | |

**Sample: 368234** **Soil, NS-SOGP106-10-12** **Collected: 04/19/05** **Analyzed: 04/22/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 2800 | ug/kg | 5 | 76 | 250 |
| sec-Butylbenzene | ND | ug/kg | 5 | 96 | 320 |
| Ethylbenzene | 1000 | ug/kg | 5 | 77 | 260 |
| ortho-Xylene | 710 | ug/kg | 5 | 64 | 210 |
| Styrene | ND | ug/kg | 5 | 86 | 290 |
| Toluene | 620 | ug/kg | 5 | 53 | 170 |
| 1,2,4-Trimethylbenzene | 910 | ug/kg | 5 | 73 | 250 |
| 1,3,5-Trimethylbenzene | 270 | ug/kg | 5 | 82 | 270 |
| meta,para-Xylene | 1500 | ug/kg | 5 | 130 | 440 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 5 | 94 | 320 |
| Dibromofluoromethane (SURR**) | 105% | | | | |
| Toluene-d8 (SURR**) | 109% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 104% | | | | |

Sample was diluted due to high level of Naphthalene.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88793**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 05/13/2005 13:59**

**Sample: 368235** **Soil, NS-SOGP106-14-16** **Collected: 04/19/05** **Analyzed: 04/22/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 1300 | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | 83 | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | 77 | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 620 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | 56 | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | 160 | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 115% | | | | |
| Toluene-d8 (SURR**) | 125% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 117% | | | | |

**Sample: 368236** **Soil, NS-SOGP109-2-4** **Collected: 04/19/05** **Analyzed: 04/22/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 150 | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | [43] | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | 61 | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 93 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | 60 | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | [54] | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | 100 | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 107% | | | | |
| Toluene-d8 (SURR**) | 114% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 110% | | | | |

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88793**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: SAT2SNSP** **Printed: 05/13/2005 13:59**

**Sample: 368237** **Soil, NS-SOGP109-6-8** **Collected: 04/19/05** **Analyzed: 04/22/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 200000 | ug/kg | 400 | 6100 | 20000 |
| sec-Butylbenzene | ND | ug/kg | 400 | 7700 | 26000 |
| Ethylbenzene | 170000 | ug/kg | 400 | 6200 | 21000 |
| ortho-Xylene | 78000 | ug/kg | 400 | 5100 | 17000 |
| Styrene | ND | ug/kg | 400 | 6900 | 23000 |
| Toluene | 41000 | ug/kg | 400 | 4200 | 13000 |
| 1,2,4-Trimethylbenzene | 100000 | ug/kg | 400 | 5900 | 20000 |
| 1,3,5-Trimethylbenzene | 30000 | ug/kg | 400 | 6600 | 22000 |
| meta,para-Xylene | 150000 | ug/kg | 400 | 10000 | 36000 |
| 1,2,3-Trimethylbenzene | 37000 | ug/kg | 400 | 7600 | 25000 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 108% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

Sample was diluted due to high level of Naphthalene.

**Sample: 368238** **Soil, NS-SOGP112-1-3** **Collected: 04/19/05** **Analyzed: 04/22/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [18] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 102% | | | | |
| Toluene-d8 (SURR**) | 109% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88793**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 05/13/2005 13:59**

**Sample: 368239** **Soil, NS-SOGP112-3-4** **Collected: 04/19/05** **Analyzed: 04/22/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 500 | 7600 | 25000 |
| sec-Butylbenzene | ND | ug/kg | 500 | 9600 | 32000 |
| Ethylbenzene | [16000] | ug/kg | 500 | 7700 | 26000 |
| ortho-Xylene | 22000 | ug/kg | 500 | 6400 | 21000 |
| Styrene | ND | ug/kg | 500 | 8600 | 29000 |
| Toluene | ND | ug/kg | 500 | 5300 | 17000 |
| 1,2,4-Trimethylbenzene | 54000 | ug/kg | 500 | 7300 | 25000 |
| 1,3,5-Trimethylbenzene | [21000] | ug/kg | 500 | 8200 | 27000 |
| meta,para-Xylene | [18000] | ug/kg | 500 | 13000 | 44000 |
| 1,2,3-Trimethylbenzene | [22000] | ug/kg | 500 | 9400 | 32000 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 103% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

Sample was diluted due to high level of Naphthalene.

**Sample: 368240** **Soil, NS-SOGP104-2-4** **Collected: 04/19/05** **Analyzed: 04/22/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 20 | 300 | 1000 |
| sec-Butylbenzene | ND | ug/kg | 20 | 390 | 1300 |
| Ethylbenzene | [860] | ug/kg | 20 | 310 | 1000 |
| ortho-Xylene | 1400 | ug/kg | 20 | 250 | 850 |
| Styrene | ND | ug/kg | 20 | 350 | 1200 |
| Toluene | ND | ug/kg | 20 | 210 | 670 |
| 1,2,4-Trimethylbenzene | 4900 | ug/kg | 20 | 290 | 980 |
| 1,3,5-Trimethylbenzene | 2400 | ug/kg | 20 | 330 | 1100 |
| meta,para-Xylene | [750] | ug/kg | 20 | 500 | 1800 |
| 1,2,3-Trimethylbenzene | 3600 | ug/kg | 20 | 380 | 1300 |
| Dibromofluoromethane (SURR**) | 105% | | | | |
| Toluene-d8 (SURR**) | 113% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 109% | | | | |

Sample was diluted due to high level of Naphthalene.

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88793**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: SAT2SNSP** **Printed: 05/13/2005 13:59**

**Sample: 368241** **Soil, NS-SOGP104-4-6** **Collected: 04/19/05** **Analyzed: 04/22/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [58] | ug/kg | 2 | 30 | 100 |
| sec-Butylbenzene | [41] | ug/kg | 2 | 39 | 130 |
| Ethylbenzene | 160 | ug/kg | 2 | 31 | 100 |
| ortho-Xylene | 150 | ug/kg | 2 | 25 | 85 |
| Styrene | ND | ug/kg | 2 | 35 | 120 |
| Toluene | [48] | ug/kg | 2 | 21 | 67 |
| 1,2,4-Trimethylbenzene | 500 | ug/kg | 2 | 29 | 98 |
| 1,3,5-Trimethylbenzene | 180 | ug/kg | 2 | 33 | 110 |
| meta,para-Xylene | [130] | ug/kg | 2 | 50 | 180 |
| 1,2,3-Trimethylbenzene | 260 | ug/kg | 2 | 38 | 130 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 107% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

Sample was diluted due to high level of Naphthalene.

**Sample: 368242** **Soil, NS-SOGP104-10-12** **Collected: 04/19/05** **Analyzed: 04/22/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [46] | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 170 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | [43] | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | [36] | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 107% | | | | |
| Toluene-d8 (SURR**) | 114% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 112% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88793**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 05/13/2005 13:59**

***Sample: 368243*** ***NS-SQ MeOH Blank 1-0405*** ***Collected: 04/19/05*** ***Analyzed: 04/22/05 -***

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 105% | | | | |
| Toluene-d8 (SURR**) | 110% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 103% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88794
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375 Rinsate Blanks

**NS-SQEquip Blank 1-0405 NLS ID: 368244**
Ref. Line 3 COC 76405(C) NS-SQEquip Blank 1-0405 Matrix: GW
Collected: 04/19/05 13:45 Received: 04/20/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP-Trace | 0.025 | mg/L | 1 | 0.010 | 0.020 | 05/17/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 06/01/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | ug/L | 1 | 1.6 | 5.6 | 06/01/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | ND | ug/L | 1 | 2.5* | 5.0 | 05/17/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 05/17/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | [0.19] | ug/L | 1 | 0.17 | 0.50 | 05/17/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | [0.18] | mg/L | 1 | 0.15* | 0.30 | 05/17/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 04/20/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 05/31/05 | Calc. | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | ND | ug/L | 1 | 0.45 | 1.4 | 05/18/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 05/17/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 05/19/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 04/29/05 | EPA 335.4 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 05/17/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 05/17/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | ND | mg/L | 1 | 0.15* | 0.30 | 05/17/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | [1.6] | ug/L | 1 | 1.0* | 2.0 | 05/18/05 | SW846 6010 | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 05/11/05 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | [1.4] | ug/L | 1 | 0.71 | 2.3 | 05/17/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | ND | mg/L | 1 | 0.36 | 1.3 | 06/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 05/31/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 05/18/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 0.36 | mg/L | 1 | 0.033 | 0.12 | 06/02/05 | SW846 6010 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 06/01/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | [0.92] | ug/L | 1 | 0.67 | 2.0 | 05/17/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | [7.2] | ug/L | 1 | 5.0* | 10 | 05/17/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 05/06/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 05/02/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 04/26/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 05/09/05 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88794
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375 Rinsate Blanks

**NS-SQEquip Blank 2-0405 NLS ID: 368398**

Ref. Line 4 COC 76408(C) NS-SQEquip Blank 2-0405 Matrix: GW
Collected: 04/20/05 00:00 Received: 04/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP-Trace | 0.034 | mg/L | 1 | 0.010 | 0.020 | 05/17/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [3.0] | ug/L | 1 | 2.0 | 7.1 | 06/01/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | ug/L | 1 | 1.6 | 5.6 | 06/01/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 7.3 | ug/L | 1 | 2.5* | 5.0 | 05/17/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 05/17/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 05/17/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | [0.22] | mg/L | 1 | 0.15* | 0.30 | 05/17/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 04/21/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 05/31/05 | Calc. | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | [0.74] | ug/L | 1 | 0.45 | 1.4 | 05/18/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 05/17/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 05/19/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 04/29/05 | EPA 335.4 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | [0.033] | mg/L | 1 | 0.033 | 0.10 | 05/17/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 05/17/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | ND | mg/L | 1 | 0.15* | 0.30 | 05/17/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | [1.6] | ug/L | 1 | 1.0* | 2.0 | 05/18/05 | SW846 6010 | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 05/11/05 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | [0.74] | ug/L | 1 | 0.71 | 2.3 | 05/17/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | ND | mg/L | 1 | 0.36 | 1.3 | 06/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 05/31/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 05/18/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 0.41 | mg/L | 1 | 0.033 | 0.12 | 06/02/05 | SW846 6010 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 06/01/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 05/17/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | 19 | ug/L | 1 | 5.0* | 10 | 05/17/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 05/06/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 05/02/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 04/26/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 05/09/05 | SW846 8270C | 721026460 |

NORTHERN [illegible]E SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-990
EPA Laboratory ID No. WI00034



NLS Project: 88794
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RIFS/25688375 Rinsate Blanks

**NS-SQEquip Blank 3-0405 NLS ID: 368512**
Ref. Line 9 COC 76411(C) NS-SQEquip Blank 3-0405 Matrix: GW
Collected: 04/21/05 13:00 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP-Trace | [0.015] | mg/L | 1 | 0.010 | 0.020 | 05/17/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 06/01/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | ug/L | 1 | 1.6 | 5.6 | 06/01/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | ND | ug/L | 1 | 2.5* | 5.0 | 05/17/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 05/17/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 05/17/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | [0.23] | mg/L | 1 | 0.15* | 0.30 | 05/17/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 04/22/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 05/31/05 | Calc. | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | [1.2] | ug/L | 1 | 0.45 | 1.4 | 05/18/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 05/17/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 05/19/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 04/29/05 | EPA 335.4 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 05/17/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 05/17/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | ND | mg/L | 1 | 0.15* | 0.30 | 05/17/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | ND | ug/L | 1 | 1.0* | 2.0 | 05/17/05 | SW846 6010 | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 05/11/05 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | ND | ug/L | 1 | 0.71 | 2.3 | 05/17/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | ND | mg/L | 1 | 0.36 | 1.3 | 06/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 05/31/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | [1.1] | ug/L | 1 | 0.67 | 2.0 | 05/18/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | [0.10] | mg/L | 1 | 0.033 | 0.12 | 06/02/05 | SW846 6010 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 06/01/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 05/17/05 | SW846 6010 | 721026460 |
| Zinc tot. recoverable as Zn by ICP-Trace | 23 | ug/L | 1 | 5.0* | 10 | 05/17/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 05/06/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 05/02/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 04/26/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 05/09/05 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 88794
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375 Rinsate Blanks

**NS-SQEquip Blank 4-0405 NLS ID: 368539**
Ref. Line 4 COC 76413(C) NS-SQEquip Blank 4-0405 Matrix: GW
Collected: 04/21/05 10:00 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP-Trace | 0.10 | mg/L | 1 | 0.010 | 0.020 | 05/17/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 06/01/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | ug/L | 1 | 1.6 | 5.6 | 06/01/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | ND | ug/L | 1 | 2.5* | 5.0 | 05/17/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 05/17/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 05/17/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | [0.23] | mg/L | 1 | 0.15* | 0.30 | 05/17/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 04/22/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 05/31/05 | Calc. | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | [0.45] | ug/L | 1 | 0.45 | 1.4 | 05/18/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 05/17/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 05/19/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 04/29/05 | EPA 335.4 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | [0.10] | mg/L | 1 | 0.033 | 0.10 | 05/17/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 05/17/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | ND | mg/L | 1 | 0.15* | 0.30 | 05/17/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 6.9 | ug/L | 1 | 1.0* | 2.0 | 05/18/05 | SW846 6010 | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 05/11/05 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | [1.7] | ug/L | 1 | 0.71 | 2.3 | 05/17/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | ND | mg/L | 1 | 0.36 | 1.3 | 06/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 05/31/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 05/18/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 0.45 | mg/L | 1 | 0.033 | 0.12 | 06/02/05 | SW846 6010 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 06/01/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | [0.68] | ug/L | 1 | 0.67 | 2.0 | 05/17/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | 50 | ug/L | 1 | 5.0* | 10 | 05/17/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 05/06/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 05/02/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 04/26/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 05/10/05 | SW846 8270C | 721026460 |

NORTHERN [illegible]E SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 88794
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375 Rinsate Blanks

**NS-SQEquip Blank 5-0405 NLS ID: 368678**
Ref. Line 7 COC 76414(C) NS-SQEquip Blank 5-0405 Matrix: GW
Collected: 04/25/05 13:00 Received: 04/26/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP-Trace | [0.019] | mg/L | 1 | 0.010 | 0.020 | 05/17/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 06/01/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | ug/L | 1 | 1.6 | 5.6 | 06/01/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | ND | ug/L | 1 | 2.5* | 5.0 | 05/17/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 05/17/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 05/17/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | ND | mg/L | 1 | 0.15* | 0.30 | 05/17/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 04/26/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 05/31/05 | Calc. | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | ND | ug/L | 1 | 0.45 | 1.4 | 05/18/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 05/17/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 05/18/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 04/29/05 | EPA 335.4 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 05/17/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 05/17/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | ND | mg/L | 1 | 0.15* | 0.30 | 05/17/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | [1.8] | ug/L | 1 | 1.0* | 2.0 | 05/18/05 | SW846 6010 | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 05/11/05 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | [1.1] | ug/L | 1 | 0.71 | 2.3 | 05/17/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | ND | mg/L | 1 | 0.36 | 1.3 | 06/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 05/31/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | [0.67] | ug/L | 1 | 0.67 | 2.0 | 05/18/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 0.13 | mg/L | 1 | 0.033 | 0.12 | 06/02/05 | SW846 6010 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 06/01/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 05/17/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | [8.4] | ug/L | 1 | 5.0* | 10 | 05/17/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 05/06/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 05/02/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 05/02/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 05/10/05 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 88794
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375 Rinsate Blanks

**NS-SQEquip Blank 6-0405 NLS ID: 368865**

Ref. Line 8 COC 76416(C) NS-SQEquip Blank 6-0405 Matrix: GW
Collected: 04/26/05 13:00 Received: 04/27/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP-Trace | 0.031 | mg/L | 1 | 0.010 | 0.020 | 05/17/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 06/01/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | ug/L | 1 | 1.6 | 5.6 | 06/01/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | ND | ug/L | 1 | 2.5* | 5.0 | 05/17/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 05/17/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 05/17/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 0.42 | mg/L | 1 | 0.15* | 0.30 | 05/17/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 04/27/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 05/31/05 | Calc. | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | [0.96] | ug/L | 1 | 0.45 | 1.4 | 05/18/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 05/17/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 05/19/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 04/29/05 | EPA 335.4 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | [0.040] | mg/L | 1 | 0.033 | 0.10 | 05/17/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 05/17/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | ND | mg/L | 1 | 0.15* | 0.30 | 05/17/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | [1.8] | ug/L | 1 | 1.0* | 2.0 | 05/18/05 | SW846 6010 | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 05/11/05 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | ND | ug/L | 1 | 0.71 | 2.3 | 05/17/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | ND | mg/L | 1 | 0.36 | 1.3 | 06/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 05/31/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 05/18/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 0.18 | mg/L | 1 | 0.033 | 0.12 | 06/02/05 | SW846 6010 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 06/01/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | [0.91] | ug/L | 1 | 0.67 | 2.0 | 05/17/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | 13 | ug/L | 1 | 5.0* | 10 | 05/17/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 05/06/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 05/02/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 05/02/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 05/10/05 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88794
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375 Rinsate Blanks

**NS-SQEquip Blank 7-0405 NLS ID: 369101**
Ref. Line 7 COC 76419(C) NS-SQEquip Blank 7-0405 Matrix: GW
Collected: 04/27/05 13:00 Received: 04/28/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP-Trace | [0.014] | mg/L | 1 | 0.010 | 0.020 | 05/17/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [2.5] | ug/L | 1 | 2.0 | 7.1 | 06/01/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | ug/L | 1 | 1.6 | 5.6 | 06/01/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | ND | ug/L | 1 | 2.5* | 5.0 | 05/17/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 05/17/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 05/17/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 0.60 | mg/L | 1 | 0.15* | 0.30 | 05/17/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 04/28/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 05/31/05 | Calc. | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | [1.1] | ug/L | 1 | 0.45 | 1.4 | 05/18/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 05/17/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 05/19/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 05/05/05 | EPA 335.4 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 05/17/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 05/18/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | ND | mg/L | 1 | 0.15* | 0.30 | 05/17/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | [1.9] | ug/L | 1 | 1.0* | 2.0 | 05/18/05 | SW846 6010 | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 05/11/05 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | ND | ug/L | 1 | 0.71 | 2.3 | 05/17/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | ND | mg/L | 1 | 0.36 | 1.3 | 06/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 05/31/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 05/18/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 0.29 | mg/L | 1 | 0.033 | 0.12 | 06/02/05 | SW846 6010 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 06/01/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 05/17/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | 30 | ug/L | 1 | 5.0* | 10 | 05/17/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 05/06/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 05/02/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 05/02/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 05/10/05 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RIFS/25688375 Rinsate Blanks

NLS Project: 88794
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**NS-SQEquip Blank 8-0405 NLS ID: 369265**
Ref. Line 9 COC 76421(C) NS-SQEquip Blank 8-0405 Matrix: GW
Collected: 04/28/05 12:50 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP-Trace | [0.015] | mg/L | 1 | 0.010 | 0.020 | 05/17/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 06/01/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | ug/L | 1 | 1.6 | 5.6 | 06/01/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | ND | ug/L | 1 | 2.5* | 5.0 | 05/17/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 05/17/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 05/17/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | ND | mg/L | 1 | 0.15* | 0.30 | 05/17/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 04/29/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 05/31/05 | Calc. | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | [1.1] | ug/L | 1 | 0.45 | 1.4 | 05/18/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 05/17/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 05/19/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 05/05/05 | EPA 335.4 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 05/17/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 05/17/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | ND | mg/L | 1 | 0.15* | 0.30 | 05/17/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 5.8 | ug/L | 1 | 1.0* | 2.0 | 05/18/05 | SW846 6010 | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 05/11/05 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | ND | ug/L | 1 | 0.71 | 2.3 | 05/17/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | ND | mg/L | 1 | 0.36 | 1.3 | 06/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 05/31/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 05/18/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 0.37 | mg/L | 1 | 0.033 | 0.12 | 06/02/05 | SW846 6010 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 06/01/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 05/17/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | 13 | ug/L | 1 | 5.0* | 10 | 05/17/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 05/06/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 05/02/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 05/02/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 05/10/05 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 88794
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375 Rinsate Blanks

**NS-SQEquip Blank 9-0405 NLS ID: 369352**
Ref. Line 4 COC 76423(C) NS-SQEquip Blank 9-0405 Matrix: GW
Collected: 04/28/05 10:45 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP-Trace | [0.018] | mg/L | 1 | 0.010 | 0.020 | 05/17/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 06/01/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | ug/L | 1 | 1.6 | 5.6 | 06/01/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | ND | ug/L | 1 | 2.5* | 5.0 | 05/17/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 05/17/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 05/17/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | ND | mg/L | 1 | 0.15* | 0.30 | 05/17/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 04/29/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 05/31/05 | Calc. | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | ND | ug/L | 1 | 0.45 | 1.4 | 05/18/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 05/17/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 05/19/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 05/05/05 | EPA 335.4 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 05/17/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 05/17/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | ND | mg/L | 1 | 0.15* | 0.30 | 05/17/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 4.0 | ug/L | 1 | 1.0* | 2.0 | 05/18/05 | SW846 6010 | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 05/11/05 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | ND | ug/L | 1 | 0.71 | 2.3 | 05/17/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | ND | mg/L | 1 | 0.36 | 1.3 | 06/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 05/31/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 05/18/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | [0.076] | mg/L | 1 | 0.033 | 0.12 | 06/02/05 | SW846 6010 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 06/01/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 05/17/05 | SW846 6010 | 721026460 |
| Zinc tot. recoverable as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 05/17/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 05/06/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 05/02/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 05/02/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 05/10/05 | SW846 8270C | 721026460 |

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

# ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88794**
**Project Description: Xcel RIFS/25688375**
**Project Title: Rinsate Blanks** **Template: 8270WNSP** **Printed: 06/02/2005 14:17**

**Sample: 368244** **NS-SQEquip Blank 1-0405** **Collected: 04/19/05** **Analyzed: 05/09/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| 2-Fluorophenol (SURR**) | 38% | | | | |
| Phenol-d5 (SURR**) | 23% | | | | |
| Nitrobenzene-d5 (SURR**) | 66% | | | | |
| 2-Fluorobiphenyl (SURR**) | 74% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 86% | | | | |
| Terphenyl-d14 (SURR**) | 75% | | | | |

Matrix spike recovery for 1-Methylnaphthalene was below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88794**
**Project Description: Xcel RIFS/25688375**
**Project Title: Rinsate Blanks** **Template: 8270WNSP Printed: 06/02/2005 14:17**

**Sample: 368398 NS-SQEquip Blank 2-0405** **Collected: 04/20/05** **Analyzed: 05/09/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| 2-Fluorophenol (SURR**) | 41% | | | | |
| Phenol-d5 (SURR**) | 25% | | | | |
| Nitrobenzene-d5 (SURR**) | 65% | | | | |
| 2-Fluorobiphenyl (SURR**) | 74% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 84% | | | | |
| Terphenyl-d14 (SURR**) | 73% | | | | |

Matrix spike recovery for 1-Methylnaphthalene was below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88794**

**Project Description: Xcel RIFS/25688375**

**Project Title: Rinsate Blanks** **Template: 8270WNSP Printed: 06/02/2005 14:17**

**Sample: 368512 NS-SQEquip Blank 3-0405** **Collected: 04/21/05** **Analyzed: 05/09/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| 2-Fluorophenol (SURR**) | 42% | | | | |
| Phenol-d5 (SURR**) | 25% | | | | |
| Nitrobenzene-d5 (SURR**) | 70% | | | | |
| 2-Fluorobiphenyl (SURR**) | 79% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 91% | | | | |
| Terphenyl-d14 (SURR**) | 76% | | | | |

Matrix spike recovery for 1-Methylnaphthalene was below QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88794**
**Project Description: Xcel RIFS/25688375**
**Project Title: Rinsate Blanks** **Template: 8270WNSP** **Printed: 06/02/2005 14:17**

**Sample: 368539** **NS-SQEquip Blank 4-0405** **Collected: 04/21/05** **Analyzed: 05/10/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| 2-Fluorophenol (SURR**) | 42% | | | | |
| Phenol-d5 (SURR**) | 25% | | | | |
| Nitrobenzene-d5 (SURR**) | 72% | | | | |
| 2-Fluorobiphenyl (SURR**) | 81% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 90% | | | | |
| Terphenyl-d14 (SURR**) | 80% | | | | |

Matrix spike recovery for 1-Methylnaphthalene was below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88794**
**Project Description: Xcel RIFS/25688375**
**Project Title: Rinsate Blanks** **Template: 8270WNSP** **Printed: 06/02/2005 14:17**

**Sample: 368678** **NS-SQEquip Blank 5-0405** **Collected: 04/25/05** **Analyzed: 05/10/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| 2-Fluorophenol (SURR**) | 44% | | | | |
| Phenol-d5 (SURR**) | 26% | | | | |
| Nitrobenzene-d5 (SURR**) | 72% | | | | |
| 2-Fluorobiphenyl (SURR**) | 79% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 91% | | | | |
| Terphenyl-d14 (SURR**) | 72% | | | | |

Matrix spike recovery for 1-Methylnaphthalene was below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88794**
**Project Description: Xcel RIFS/25688375**
**Project Title: Rinsate Blanks** **Template: 8270WNSP Printed: 06/02/2005 14:17**

**Sample: 368865 NS-SQEquip Blank 6-0405** **Collected: 04/26/05** **Analyzed: 05/10/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| 2-Fluorophenol (SURR**) | 42% | | | | |
| Phenol-d5 (SURR**) | 24% | | | | |
| Nitrobenzene-d5 (SURR**) | 67% | | | | |
| 2-Fluorobiphenyl (SURR**) | 74% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 82% | | | | |
| Terphenyl-d14 (SURR**) | 63% | | | | |

Matrix spike recovery for 1-Methylnaphthalene was below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88794**
**Project Description: Xcel RIFS/25688375**
**Project Title: Rinsate Blanks** **Template: 8270WNSP Printed: 06/02/2005 14:17**

**Sample: 369101** **NS-SQEquip Blank 7-0405** **Collected: 04/27/05** **Analyzed: 05/10/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| 2-Fluorophenol (SURR**) | 45% | | | | |
| Phenol-d5 (SURR**) | 27% | | | | |
| Nitrobenzene-d5 (SURR**) | 71% | | | | |
| 2-Fluorobiphenyl (SURR**) | 80% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 86% | | | | |
| Terphenyl-d14 (SURR**) | 66% | | | | |

Matrix spike recovery for 1-Methylnaphthalene was below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88794**
**Project Description: Xcel RIFS 25688375**
**Project Title: Rinsate Blanks** **Template: 8270WNSP Printed: 06/02/2005 14:17**

**Sample: 369265 NS-SQEquip Blank 8-0405** **Collected: 04/28/05** **Analyzed: 05/10/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| 2-Fluorophenol (SURR**) | 39% | | | | |
| Phenol-d5 (SURR**) | 23% | | | | |
| Nitrobenzene-d5 (SURR**) | 69% | | | | |
| 2-Fluorobiphenyl (SURR**) | 73% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 82% | | | | |
| Terphenyl-d14 (SURR**) | 62% | | | | |

Matrix spike recovery for 1-Methylnaphthalene was below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88794**

**Project Description: Xcel RIFS/25688375**

**Project Title: Rinsate Blanks** **Template: 8270WNSP** **Printed: 06/02/2005 14:17**

**Sample: 369352** **NS-SQEquip Blank 9-0405** **Collected: 04/28/05** **Analyzed: 05/10/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| 2-Fluorophenol (SURR**) | 43% | | | | |
| Phenol-d5 (SURR**) | 26% | | | | |
| Nitrobenzene-d5 (SURR**) | 70% | | | | |
| 2-Fluorobiphenyl (SURR**) | 77% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 85% | | | | |
| Terphenyl-d14 (SURR**) | 67% | | | | |

Matrix spike recovery for 1-Methylnaphthalene was below QC limits.

** Surrogates are used to evaluate a method's Quality Control.

# ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88794**
**Project Description: Xcel RIFS 25688375**
**Project Title: Rinsate Blanks** **Template: SAT2NSP Printed: 06/02/2005 14:17**

**Sample: 368244 NS-SQEquip Blank 1-0405** **Collected: 04/19/05** **Analyzed: 05/02/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 8.7 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 122% | | | | |
| Toluene-d8 (SURR**) | 129% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 124% | | | | |

Surrogate recovery for Toluene-d8 was outside in-house QC limits.

**Sample: 368398 NS-SQEquip Blank 2-0405** **Collected: 04/20/05** **Analyzed: 05/02/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 7.0 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 107% | | | | |
| Toluene-d8 (SURR**) | 119% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 109% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88794**

**Project Description: Xcel RIFS/25688375**

**Project Title: Rinsate Blanks** **Template: SAT2NSP Printed: 06/02/2005 14:17**

**Sample: 368512 NS-SQEquip Blank 3-0405** **Collected: 04/21/05** **Analyzed: 05/02/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 14 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 116% | | | | |
| Toluene-d8 (SURR**) | 124% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 117% | | | | |

Surrogate recovery for Toluene-d8 was outside in-house QC limits.

**Sample: 368539 NS-SQEquip Blank 4-0405** **Collected: 04/21/05** **Analyzed: 05/02/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 4.7 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 111% | | | | |
| Toluene-d8 (SURR**) | 120% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 112% | | | | |

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88794**
**Project Description: Xcel RIFS/25688375**
**Project Title: Rinsate Blanks** **Template: SAT2NSP Printed: 06/02/2005 14:17**

**Sample: 368678 NS-SQEquip Blank 5-0405** **Collected: 04/25/05** **Analyzed: 05/02/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 6.6 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| D bromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 114% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 109% | | | | |

**Sample: 368865 NS-SQEquip Blank 6-0405** **Collected: 04/26/05** **Analyzed: 05/02/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 23 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 102% | | | | |
| Toluene-d8 (SURR**) | 113% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 106% | | | | |

Toluene was reported over calibration range.

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88794**
**Project Description: Xcel RIFS/25688375**
**Project Title: Rinsate Blanks** **Template: SAT2NSP Printed: 06/02/2005 14:17**

**Sample: 369101 NS-SQEquip Blank 7-0405** **Collected: 04/27/05** **Analyzed: 05/02/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 22 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 106% | | | | |
| Toluene-d8 (SURR**) | 119% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

Toluene was reported over calibration range.

**Sample: 369265 NS-SQEquip Blank 8-0405** **Collected: 04/28/05** **Analyzed: 05/02/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 7.6 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 113% | | | | |
| Toluene-d8 (SURR**) | 126% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 111% | | | | |

Surrogate recovery for Toluene-d8 was outside in-house QC limits.

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88794**
**Project Description: Xcel RIFS /25688375**
**Project Title: Rinsate Blanks** **Template: SAT2NSP Printed: 06/02/2005 14:17**

**Sample: 369352 NS-SQEquip Blank 9-0405** **Collected: 04/28/05** **Analyzed: 05/02/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | [0.76] | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 102% | | | | |
| Toluene-d8 (SURR**) | 117% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 104% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88866**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

***Soil, NS-SOGP114-1-3 MS/MSD NLS ID: 368482***

Ref. Line 1 COC 76409 Soil, NS-SOGP114-1-3 MS/MSD Matrix: SO
Collected: 04/20/05 15:00 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 14000 | mg/Kg DWB | 1 | 7.7 | 29 | 05/09/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.7 | 05/19/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.8] | mg/Kg DWB | 20 | 1.0 | 3.7 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 88 | mg/Kg DWB | 1 | 0.18 | 0.37 | 05/10/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.77 | mg/Kg DWB | 5 | 0.18 | 0.64 | 05/12/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.27 | 0.99 | 05/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 50000 | mg/Kg DWB | 10 | 55 | 110 | 05/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 26 | mg/Kg DWB | 1 | 0.55* | 1.9 | 05/25/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.31 | mg/Kg DWB | 2 | 0.17* | | 05/18/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 26 | mg/Kg DWB | 1 | 0.55 | 1.9 | 05/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 8.5 | mg/Kg DWB | 1 | 0.51 | 1.8 | 05/10/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 20 | mg/Kg DWB | 1 | 0.22 | 0.81 | 05/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 1.2 | mg/Kg DWB | 1 | 0.12 | 0.35 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 20000 | mg/Kg DWB | 10 | 10 | 38 | 05/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [9.6] | mg/Kg DWB | 1 | 6.0 | 22 | 05/09/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 15000 | mg/Kg DWB | 10 | 55 | 110 | 05/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 320 | mg/Kg DWB | 1 | 0.12 | 0.37 | 05/10/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.093 | 0.33 | 05/05/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 20 | mg/Kg DWB | 1 | 1.3 | 4.7 | 05/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2100 | mg/Kg DWB | 1 | 13 | 48 | 05/09/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 40 | 2.4 | 8.4 | 05/25/05 | SW846 7740 | 721026460 |
| | Sample required a dilution to overcome negative interference encountered during analysis. | | | | | | | |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.53 | 1.9 | 05/12/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 270 | mg/Kg DWB | 1 | 1.2 | 4.4 | 05/09/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 85.2 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.5 | 05/19/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 37 | mg/Kg DWB | 1 | 0.32 | 1.2 | 05/10/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 43 | mg/Kg DWB | 1 | 0.25 | 0.74 | 05/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/28/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/02/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/26/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88866
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP114-4-6 NLS ID: 368183**
Ref. Line 2 COC 76409 Soil, NS-SOGP114-4-6 Matrix: SO
Collected: 04/20/05 15:20 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 11000 | mg/Kg DWB | 1 | 7.2 | 27 | 05/09/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [1.8] | mg/Kg DWB | 20 | 1.1 | 4.0 | 05/19/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.8] | mg/Kg DWB | 20 | 0.90 | 3.2 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 61 | mg/Kg DWB | 1 | 0.17 | 0.34 | 05/10/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.19] | mg/Kg DWB | 5 | 0.17 | 0.60 | 05/12/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.25 | 0.92 | 05/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 11000 | mg/Kg DWB | 10 | 51 | 100 | 05/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 20 | mg/Kg DWB | 1 | 0.51* | 1.8 | 05/25/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.30 | mg/Kg DWB | 2 | 0.17* | | 05/18/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 21 | mg/Kg DWB | 1 | 0.51 | 1.8 | 05/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.8 | mg/Kg DWB | 1 | 0.48 | 1.7 | 05/10/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 12 | mg/Kg DWB | 1 | 0.20 | 0.75 | 05/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 1.0 | mg/Kg DWB | 1 | 0.12 | 0.35 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 16000 | mg/Kg DWB | 10 | 9.5 | 35 | 05/11/05 | SW846 6010 | 721026460 |
| Leac, tot. recoverable as Pb by ICP | [19] | mg/Kg DWB | 1 | 5.5 | 20 | 05/09/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 5400 | mg/Kg DWB | 10 | 51 | 100 | 05/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 390 | mg/Kg DWB | 1 | 0.11 | 0.34 | 05/10/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.096 | 0.34 | 05/05/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 14 | mg/Kg DWB | 1 | 1.2 | 4.3 | 05/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1500 | mg/Kg DWB | 1 | 12 | 45 | 05/09/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.1 | 3.7 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.49 | 1.8 | 05/12/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 86 | mg/Kg DWB | 1 | 1.1 | 4.1 | 05/09/05 | SW846 6010 | 721026460 |
| Solics, total on solids | 82.0 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.8 | 05/19/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 29 | mg/Kg DWB | 1 | 0.30 | 1.1 | 05/10/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 44 | mg/Kg DWB | 1 | 0.23 | 0.68 | 05/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/28/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/02/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/26/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88866
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP114-12-14 NLS ID: 368484**
Ref. Line 3 COC 76409 Soil, NS-SOGP114-12-14 Matrix: SO
Collected: 04/20/05 15:30 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 12000 | mg/Kg DWB | 1 | 8.4 | 31 | 05/09/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.6 | 05/19/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.3] | mg/Kg DWB | 20 | 1.0 | 3.6 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 68 | mg/Kg DWB | 1 | 0.20 | 0.40 | 05/10/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 1.5 | mg/Kg DWB | 5 | 0.20 | 0.70 | 05/12/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.30 | 1.1 | 05/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 19000 | mg/Kg DWB | 10 | 60 | 120 | 05/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 22 | mg/Kg DWB | 1 | 0.60* | 2.1 | 05/25/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.18* | | 05/18/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 22 | mg/Kg DWB | 1 | 0.60 | 2.1 | 05/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 8.8 | mg/Kg DWB | 1 | 0.56 | 2.0 | 05/10/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 15 | mg/Kg DWB | 1 | 0.24 | 0.88 | 05/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.27] | mg/Kg DWB | 1 | 0.11 | 0.34 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 20000 | mg/Kg DWB | 10 | 11 | 42 | 05/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [6.8] | mg/Kg DWB | 1 | 6.5 | 24 | 05/09/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 8400 | mg/Kg DWB | 10 | 60 | 120 | 05/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 310 | mg/Kg DWB | 1 | 0.13 | 0.40 | 05/10/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.096 | 0.34 | 05/05/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 18 | mg/Kg DWB | 1 | 1.4 | 5.1 | 05/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1800 | mg/Kg DWB | 1 | 14 | 53 | 05/09/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.2 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.58 | 2.1 | 05/12/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 130 | mg/Kg DWB | 1 | 1.3 | 4.8 | 05/09/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 82.2 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.4 | 05/19/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 33 | mg/Kg DWB | 1 | 0.35 | 1.3 | 05/10/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 36 | mg/Kg DWB | 1 | 0.27 | 0.80 | 05/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/28/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/02/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/26/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88866
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP117-2-4 NLS ID: 368485**
*Ref. Line 4 COC 76409 Soil, NS-SOGP117-2-4 Matrix: SO*
Collected: 04/20/05 15:45 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 13000 | mg/Kg DWB | 1 | 5.9 | 22 | 05/09/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [1.8] | mg/Kg DWB | 20 | 1.5 | 5.5 | 05/19/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [3.3] | mg/Kg DWB | 20 | 1.2 | 4.3 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 90 | mg/Kg DWB | 1 | 0.14 | 0.28 | 05/10/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.78 | mg/Kg DWB | 5 | 0.14 | 0.49 | 05/12/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.21 | 0.75 | 05/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 26000 | mg/Kg DWB | 10 | 42 | 84 | 05/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 23 | mg/Kg DWB | 1 | 0.42* | 1.5 | 05/25/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.31 | mg/Kg DWB | 2 | 0.17* | | 05/18/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 23 | mg/Kg DWB | 1 | 0.42 | 1.5 | 05/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.7 | mg/Kg DWB | 1 | 0.39 | 1.4 | 05/10/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 18 | mg/Kg DWB | 1 | 0.16 | 0.61 | 05/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 6.3 | mg/Kg DWB | 2 | 0.12 | 0.37 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 21000 | mg/Kg DWB | 10 | 7.8 | 29 | 05/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 34 | mg/Kg DWB | 1 | 4.5 | 16 | 05/09/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 9500 | mg/Kg DWB | 10 | 42 | 84 | 05/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 360 | mg/Kg DWB | 1 | 0.092 | 0.28 | 05/10/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | [0.21] | mg/Kg DWB | 1 | 0.095 | 0.34 | 05/05/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 17 | mg/Kg DWB | 1 | 0.98 | 3.5 | 05/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2000 | mg/Kg DWB | 1 | 10 | 37 | 05/09/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.4 | 4.9 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.40 | 1.5 | 05/12/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 260 | mg/Kg DWB | 1 | 0.92 | 3.4 | 05/09/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 82.9 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.8 | 6.4 | 05/19/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 33 | mg/Kg DWB | 1 | 0.24 | 0.89 | 05/10/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 57 | mg/Kg DWB | 1 | 0.19 | 0.56 | 05/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/28/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/02/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/26/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 88866
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP117-6-8 NLS ID: 368486**
Ref. Line 5 COC 76409 Soil, NS-SOGP117-6-8 Matrix: SO
Collected: 04/20/05 16:30 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 6900 | mg/Kg DWB | 1 | 8.8 | 33 | 05/09/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 5.0 | 05/19/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.8] | mg/Kg DWB | 20 | 1.1 | 4.0 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 73 | mg/Kg DWB | 1 | 0.21 | 0.42 | 05/10/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.37 | mg/Kg DWB | 2 | 0.084 | 0.29 | 05/12/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.31 | 1.1 | 05/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 8500 | mg/Kg DWB | 10 | 63 | 130 | 05/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 16 | mg/Kg DWB | 1 | 0.63* | 2.2 | 05/25/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.21 | mg/Kg DWB | 2 | 0.20* | | 05/18/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 16 | mg/Kg DWB | 1 | 0.63 | 2.2 | 05/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 5.0 | mg/Kg DWB | 1 | 0.59 | 2.1 | 05/10/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 25 | mg/Kg DWB | 1 | 0.25 | 0.92 | 05/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 1.3 | mg/Kg DWB | 1 | 0.13 | 0.39 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 13000 | mg/Kg DWB | 10 | 12 | 44 | 05/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 69 | mg/Kg DWB | 1 | 6.8 | 25 | 05/09/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 3500 | mg/Kg DWB | 10 | 63 | 130 | 05/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 200 | mg/Kg DWB | 1 | 0.14 | 0.42 | 05/10/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.38 | 05/05/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 9.9 | mg/Kg DWB | 1 | 1.5 | 5.3 | 05/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 990 | mg/Kg DWB | 1 | 15 | 55 | 05/09/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.6 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.61 | 2.2 | 05/12/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 130 | mg/Kg DWB | 1 | 1.4 | 5.0 | 05/09/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 74.0 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.7 | 6.0 | 05/19/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 23 | mg/Kg DWB | 1 | 0.36 | 1.3 | 05/10/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 55 | mg/Kg DWB | 1 | 0.28 | 0.84 | 05/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/28/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/02/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/26/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88866
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP117-14-16 NLS ID: 368487**
Ref. Line 6 COC 76409 Soil, NS-SOGP117-14-16 Matrix: SO
Collected: 04/20/05 16:20 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 9000 | mg/Kg DWB | 1 | 6.4 | 24 | 05/09/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 0.97 | 3.4 | 05/19/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 2.9 | mg/Kg DWB | 20 | 0.77 | 2.7 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 57 | mg/Kg DWB | 1 | 0.15 | 0.30 | 05/10/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.41] | mg/Kg DWB | 5 | 0.15 | 0.53 | 05/12/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.23 | 0.82 | 05/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 7600 | mg/Kg DWB | 10 | 46 | 91 | 05/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 18 | mg/Kg DWB | 1 | 0.46* | 1.6 | 05/25/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 05/18/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 18 | mg/Kg DWB | 1 | 0.46 | 1.6 | 05/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 5.9 | mg/Kg DWB | 1 | 0.43 | 1.5 | 05/10/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 12 | mg/Kg DWB | 1 | 0.18 | 0.67 | 05/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 1.6 | mg/Kg DWB | 1 | 0.11 | 0.32 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron tot. recoverable as Fe by ICP | 16000 | mg/Kg DWB | 10 | 8.5 | 32 | 05/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 4.9 | 18 | 05/09/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 5700 | mg/Kg DWB | 10 | 46 | 91 | 05/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 310 | mg/Kg DWB | 1 | 0.10 | 0.30 | 05/10/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.089 | 0.32 | 05/05/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 13 | mg/Kg DWB | 1 | 1.1 | 3.9 | 05/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1100 | mg/Kg DWB | 1 | 11 | 40 | 05/09/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.90 | 3.1 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.44 | 1.6 | 05/12/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 86 | mg/Kg DWB | 1 | 1.0 | 3.7 | 05/09/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 88.5 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 4.1 | 05/19/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 30 | mg/Kg DWB | 1 | 0.27 | 0.98 | 05/10/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 26 | mg/Kg DWB | 1 | 0.20 | 0.61 | 05/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/28/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/02/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/26/05 | SW846 3550B | 721026460 |

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Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88866
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP105-2-4 NLS ID: 368488**
Ref. Line 7 COC 76409 Soil, NS-SOGP105-2-4 Matrix: SO
Collected: 04/20/05 17:00 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 11000 | mg/Kg DWB | 1 | 8.3 | 31 | 05/09/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 4.0 | 05/23/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 3.4 | mg/Kg DWB | 20 | 0.89 | 3.1 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 75 | mg/Kg DWB | 1 | 0.20 | 0.39 | 05/10/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.55] | mg/Kg DWB | 5 | 0.20 | 0.69 | 05/12/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.29 | 1.1 | 05/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 9000 | mg/Kg DWB | 10 | 59 | 120 | 05/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 20 | mg/Kg DWB | 1 | 0.59* | 2.1 | 05/25/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.20 | mg/Kg DWB | 2 | 0.18* | | 05/18/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 20 | mg/Kg DWB | 1 | 0.59 | 2.1 | 05/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 8.2 | mg/Kg DWB | 1 | 0.55 | 1.9 | 05/10/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 21 | mg/Kg DWB | 1 | 0.23 | 0.87 | 05/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 25 | mg/Kg DWB | 10 | 0.11 | 0.34 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 19000 | mg/Kg DWB | 10 | 11 | 41 | 05/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 36 | mg/Kg DWB | 1 | 6.4 | 23 | 05/09/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 5200 | mg/Kg DWB | 10 | 59 | 120 | 05/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 220 | mg/Kg DWB | 1 | 0.13 | 0.39 | 05/10/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | 0.43 | mg/Kg DWB | 1 | 0.096 | 0.34 | 05/05/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 17 | mg/Kg DWB | 1 | 1.4 | 5.0 | 05/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1300 | mg/Kg DWB | 1 | 14 | 52 | 05/09/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.0 | 3.6 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.57 | 2.1 | 05/12/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 160 | mg/Kg DWB | 1 | 1.3 | 4.7 | 05/09/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 82.1 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.7 | 05/19/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 26 | mg/Kg DWB | 1 | 0.34 | 1.3 | 05/10/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 49 | mg/Kg DWB | 1 | 0.26 | 0.79 | 05/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/28/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/02/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/26/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 88866
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SQDUP03-0405 NLS ID: 368489**
Ref. Line 8 COC 76409 Soil, NS-SQDUP03-0405 Matrix: SO
Collected: 04/20/05 17:00 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 14000 | mg/Kg DWB | 1 | 7.2 | 27 | 05/09/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.7 | 05/19/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 4.6 | mg/Kg DWB | 20 | 1.3 | 4.5 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 76 | mg/Kg DWB | 1 | 0.17 | 0.34 | 05/10/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.75 | mg/Kg DWB | 5 | 0.17 | 0.60 | 05/12/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.25 | 0.93 | 05/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 18000 | mg/Kg DWB | 10 | 51 | 100 | 05/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 25 | mg/Kg DWB | 1 | 0.51* | 1.8 | 05/25/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.19 | mg/Kg DWB | 2 | 0.17* | | 05/18/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 26 | mg/Kg DWB | 1 | 0.51 | 1.8 | 05/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.9 | mg/Kg DWB | 1 | 0.48 | 1.7 | 05/10/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 21 | mg/Kg DWB | 1 | 0.20 | 0.75 | 05/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 32 | mg/Kg DWB | 10 | 0.12 | 0.35 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 22000 | mg/Kg DWB | 10 | 9.6 | 36 | 05/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 25 | mg/Kg DWB | 1 | 5.6 | 20 | 05/09/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 7700 | mg/Kg DWB | 10 | 51 | 100 | 05/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 290 | mg/Kg DWB | 1 | 0.11 | 0.34 | 05/10/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | 0.35 | mg/Kg DWB | 1 | 0.097 | 0.34 | 05/05/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 19 | mg/Kg DWB | 1 | 1.2 | 4.4 | 05/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1700 | mg/Kg DWB | 1 | 12 | 45 | 05/09/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.5 | 5.2 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.50 | 1.8 | 05/12/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 170 | mg/Kg DWB | 1 | 1.1 | 4.1 | 05/09/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 81.6 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.9 | 6.8 | 05/19/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 33 | mg/Kg DWB | 1 | 0.30 | 1.1 | 05/10/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 50 | mg/Kg DWB | 1 | 0.23 | 0.69 | 05/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/28/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/02/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/26/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 88866
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RIFS/25688375

**Soil, NS-SOGP115-1-3 NLS ID: 368490**
Ref. Line 9 COC 76409 Soil, NS-SOGP115-1-3 Matrix: SO
Collected: 04/21/05 07:40 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 8400 | mg/Kg DWB | 1 | 8.0 | 30 | 05/09/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 4.0 | 05/19/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 4.8 | mg/Kg DWB | 20 | 0.90 | 3.2 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 110 | mg/Kg DWB | 1 | 0.19 | 0.38 | 05/10/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.42] | mg/Kg DWB | 5 | 0.19 | 0.66 | 05/12/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | [0.29] | mg/Kg DWB | 1 | 0.28 | 1.0 | 05/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 31000 | mg/Kg DWB | 10 | 57 | 110 | 05/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 17 | mg/Kg DWB | 1 | 0.57* | 2.0 | 05/25/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.18* | | 05/18/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 17 | mg/Kg DWB | 1 | 0.57 | 2.0 | 05/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.3 | mg/Kg DWB | 1 | 0.53 | 1.9 | 05/10/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 39 | mg/Kg DWB | 1 | 0.22 | 0.84 | 05/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 4.4 | mg/Kg DWB | 1 | 0.12 | 0.37 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 16000 | mg/Kg DWB | 10 | 11 | 39 | 05/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 480 | mg/Kg DWB | 1 | 6.2 | 22 | 05/09/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 5900 | mg/Kg DWB | 10 | 57 | 110 | 05/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 860 | mg/Kg DWB | 1 | 0.13 | 0.38 | 05/10/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | [0.16] | mg/Kg DWB | 1 | 0.097 | 0.34 | 05/05/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 14 | mg/Kg DWB | 1 | 1.3 | 4.8 | 05/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1600 | mg/Kg DWB | 1 | 14 | 50 | 05/09/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.1 | 3.6 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.55 | 2.0 | 05/12/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 180 | mg/Kg DWB | 1 | 1.3 | 4.6 | 05/09/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 81.6 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.7 | 05/19/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 21 | mg/Kg DWB | 1 | 0.33 | 1.2 | 05/10/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 100 | mg/Kg DWB | 1 | 0.25 | 0.76 | 05/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/28/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/02/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/26/05 | SW846 3550B | 721026460 |

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Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88866
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP115-4-6 NLS ID: 368491**
Ref. Line 10 COC 76409 Soil, NS-SOGP115-4-6 Matrix: SO
Collected: 04/21/05 08:20 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 12000 | mg/Kg DWB | 1 | 6.4 | 24 | 05/09/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.7 | 05/19/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [3.3] | mg/Kg DWB | 20 | 1.3 | 4.5 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 79 | mg/Kg DWB | 1 | 0.15 | 0.31 | 05/10/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.73 | mg/Kg DWB | 5 | 0.15 | 0.54 | 05/12/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.23 | 0.83 | 05/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 20000 | mg/Kg DWB | 10 | 46 | 92 | 05/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 23 | mg/Kg DWB | 1 | 0.46* | 1.6 | 05/25/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.26 | mg/Kg DWB | 2 | 0.18* | | 05/18/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 23 | mg/Kg DWB | 1 | 0.46 | 1.6 | 05/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.1 | mg/Kg DWB | 1 | 0.43 | 1.5 | 05/10/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 68 | mg/Kg DWB | 1 | 0.18 | 0.67 | 05/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.34 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 17000 | mg/Kg DWB | 10 | 8.6 | 32 | 05/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 500 | mg/Kg DWB | 1 | 5.0 | 18 | 05/09/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 8200 | mg/Kg DWB | 10 | 46 | 92 | 05/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 250 | mg/Kg DWB | 1 | 0.10 | 0.31 | 05/10/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.095 | 0.34 | 05/05/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 16 | mg/Kg DWB | 1 | 1.1 | 3.9 | 05/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1500 | mg/Kg DWB | 1 | 11 | 40 | 05/09/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.5 | 5.2 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.44 | 1.6 | 05/12/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 120 | mg/Kg DWB | 1 | 1.0 | 3.7 | 05/09/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 83.2 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.9 | 6.8 | 05/19/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 29 | mg/Kg DWB | 1 | 0.27 | 0.98 | 05/10/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 45 | mg/Kg DWB | 1 | 0.21 | 0.61 | 05/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/28/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/02/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/26/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88866
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NSQDUP04-0405 NLS ID: 368492**
Ref. Line 1 COC 76410 Soil, NSQDUP04-0405 Matrix: SO
Collected: 04/21/05 00:00 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 9900 | mg/Kg DWB | 1 | 5.7 | 21 | 05/09/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.2 | 05/19/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.9] | mg/Kg DWB | 20 | 0.93 | 3.3 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 54 | mg/Kg DWB | 1 | 0.14 | 0.27 | 05/10/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 1.1 | mg/Kg DWB | 5 | 0.14 | 0.47 | 05/12/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.20 | 0.73 | 05/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 6900 | mg/Kg DWB | 10 | 41 | 81 | 05/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 17 | mg/Kg DWB | 1 | 0.41* | 1.4 | 05/25/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.18 | mg/Kg DWB | 2 | 0.17* | | 05/18/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 18 | mg/Kg DWB | 1 | 0.41 | 1.4 | 05/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.7 | mg/Kg DWB | 1 | 0.38 | 1.3 | 05/10/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 13 | mg/Kg DWB | 1 | 0.16 | 0.59 | 05/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.33 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 18000 | mg/Kg DWB | 10 | 7.6 | 28 | 05/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [6.0] | mg/Kg DWB | 1 | 4.4 | 16 | 05/09/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 6300 | mg/Kg DWB | 10 | 41 | 81 | 05/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 220 | mg/Kg DWB | 1 | 0.089 | 0.27 | 05/10/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.090 | 0.32 | 05/05/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 15 | mg/Kg DWB | 1 | 0.95 | 3.4 | 05/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1200 | mg/Kg DWB | 1 | 9.7 | 35 | 05/09/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.1 | 3.8 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.39 | 1.4 | 05/12/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 110 | mg/Kg DWB | 1 | 0.89 | 3.2 | 05/09/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 87.9 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.9 | 05/19/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 32 | mg/Kg DWB | 1 | 0.24 | 0.87 | 05/10/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 30 | mg/Kg DWB | 1 | 0.18 | 0.54 | 05/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/29/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/02/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/26/05 | SW846 3550B | 721026460 |

NORTHERN [illegible]E SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88866
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP115-14-16 NLS ID: 368493**
Ref. Line 2 COC 76410 Soil, NS-SOGP115-14-16 Matrix: SO
Collected: 04/21/05 08:30 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 9200 | mg/Kg DWB | 1 | 7.1 | 26 | 05/09/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.6 | 05/19/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.4] | mg/Kg DWB | 20 | 1.0 | 3.6 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 51 | mg/Kg DWB | 1 | 0.17 | 0.34 | 05/10/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.66 | mg/Kg DWB | 5 | 0.17 | 0.59 | 05/12/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.25 | 0.91 | 05/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 12000 | mg/Kg DWB | 10 | 51 | 100 | 05/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 19 | mg/Kg DWB | 1 | 0.51* | 1.8 | 05/25/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.52 | mg/Kg DWB | 2 | 0.17* | | 05/18/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 20 | mg/Kg DWB | 1 | 0.51 | 1.8 | 05/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.8 | mg/Kg DWB | 1 | 0.47 | 1.7 | 05/10/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 12 | mg/Kg DWB | 1 | 0.20 | 0.74 | 05/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.10 | 0.30 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 16000 | mg/Kg DWB | 10 | 9.5 | 35 | 05/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.5 | 20 | 05/09/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 7200 | mg/Kg DWB | 10 | 51 | 100 | 05/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 240 | mg/Kg DWB | 1 | 0.11 | 0.34 | 05/10/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.087 | 0.31 | 05/05/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 15 | mg/Kg DWB | 1 | 1.2 | 4.3 | 05/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1100 | mg/Kg DWB | 1 | 12 | 44 | 05/09/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.1 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.49 | 1.8 | 05/12/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 160 | mg/Kg DWB | 1 | 1.1 | 4.1 | 05/09/05 | SW846 6010 | 721026460 |
| Solics, total on solids | 90.3 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.4 | 05/19/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 30 | mg/Kg DWB | 1 | 0.29 | 1.1 | 05/10/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 28 | mg/Kg DWB | 1 | 0.23 | 0.68 | 05/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/29/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/02/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/26/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Project:** **Xcel RIFS/25688375**

**NLS Project: 88866**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Soil, NS-SOGP120-0-2 NLS ID: 368494**
Ref. Line 3 COC 76410 Soil, NS-SOGP120-0-2 Matrix: SO
Collected: 04/21/05 09:50 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 7800 | mg/Kg DWB | 1 | 6.6 | 25 | 05/09/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.4 | 05/19/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 8.8 | mg/Kg DWB | 20 | 0.99 | 3.5 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 160 | mg/Kg DWB | 1 | 0.16 | 0.32 | 05/10/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 1.1 | mg/Kg DWB | 5 | 0.16 | 0.55 | 05/12/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.23 | 0.85 | 05/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 6900 | mg/Kg DWB | 10 | 47 | 95 | 05/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 14 | mg/Kg DWB | 1 | 0.47* | 1.7 | 05/25/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.091 | mg/Kg DWB | 2 | 0.083* | | 05/18/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 14 | mg/Kg DWB | 1 | 0.47 | 1.7 | 05/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 9.0 | mg/Kg DWB | 1 | 0.44 | 1.5 | 05/10/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 36 | mg/Kg DWB | 1 | 0.19 | 0.70 | 05/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 0.71 | mg/Kg DWB | 1 | 0.10 | 0.31 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 12000 | mg/Kg DWB | 10 | 8.9 | 33 | 05/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 59 | mg/Kg DWB | 1 | 5.1 | 19 | 05/09/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 2500 | mg/Kg DWB | 10 | 47 | 95 | 05/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 190 | mg/Kg DWB | 1 | 0.10 | 0.32 | 05/10/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.091 | 0.32 | 05/05/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 52 | mg/Kg DWB | 1 | 1.1 | 4.0 | 05/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 780 | mg/Kg DWB | 1 | 11 | 41 | 05/09/05 | SW846 6010 | 721026460 |
| *Selenium, tot. recoverable as Se by furnace* | *ND* | *mg/Kg DWB* | *20* | *1.2* | *4.0* | *05/25/05* | *SW846 7740* | *721026460* |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.46 | 1.6 | 05/12/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 270 | mg/Kg DWB | 1 | 1.0 | 3.8 | 05/09/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 87.2 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.2 | 05/19/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 110 | mg/Kg DWB | 1 | 0.28 | 1.0 | 05/10/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 99 | mg/Kg DWB | 1 | 0.21 | 0.63 | 05/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/29/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/02/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/26/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RIFS/25688375

NLS Project: 88866
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

**Soil, NS-SOGP120-4-6 MS/MSD NLS ID: 368495**
Ref. Line 4 COC 76410 Soil, NS-SOGP120-4-6 MS/MSD Matrix: SO
Collected: 04/21/05 10:10 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 18000 | mg/Kg DWB | 1 | 6.9 | 26 | 05/09/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.7 | 05/19/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.4] | mg/Kg DWB | 20 | 1.3 | 4.6 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 98 | mg/Kg DWB | 1 | 0.16 | 0.33 | 05/10/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.79 | mg/Kg DWB | 5 | 0.16 | 0.57 | 05/12/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.24 | 0.89 | 05/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 66000 | mg/Kg DWB | 100 | 490 | 980 | 05/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 34 | mg/Kg DWB | 1 | 0.49* | 1.7 | 05/25/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.19 | mg/Kg DWB | 2 | 0.17* | | 05/18/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 34 | mg/Kg DWB | 1 | 0.49 | 1.7 | 05/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 12 | mg/Kg DWB | 1 | 0.46 | 1.6 | 05/10/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 25 | mg/Kg DWB | 1 | 0.19 | 0.72 | 05/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.36 | 04/27/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 25000 | mg/Kg DWB | 10 | 9.2 | 34 | 05/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [10] | mg/Kg DWB | 1 | 5.3 | 19 | 05/09/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 19000 | mg/Kg DWB | 10 | 49 | 98 | 05/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 380 | mg/Kg DWB | 1 | 0.11 | 0.33 | 05/10/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.095 | 0.34 | 05/05/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 24 | mg/Kg DWB | 1 | 1.1 | 4.2 | 05/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2600 | mg/Kg DWB | 1 | 12 | 43 | 05/09/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.5 | 5.2 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.48 | 1.7 | 05/12/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 290 | mg/Kg DWB | 1 | 1.1 | 3.9 | 05/09/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 83.5 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.9 | 6.8 | 05/19/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 43 | mg/Kg DWB | 1 | 0.29 | 1.0 | 05/10/05 | SW846 6010 | 721026460 |
| Zinc tot. recoverable as Zn by ICP | 46 | mg/Kg DWB | 1 | 0.22 | 0.66 | 05/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/29/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/03/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/27/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RIFS/25688375

NLS Project: 88866
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**Soil, NS-SOGP120-10-12 NLS ID: 368496**
Ref. Line 5 COC 76410 Soil, NS-SOGP120-10-12 Matrix: SO
Collected: 04/21/05 10:20 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 12000 | mg/Kg DWB | 1 | 6.0 | 22 | 05/09/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.5 | 05/19/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.7] | mg/Kg DWB | 20 | 1.0 | 3.6 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 110 | mg/Kg DWB | 1 | 0.14 | 0.29 | 05/10/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.62 | mg/Kg DWB | 5 | 0.14 | 0.50 | 05/12/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | [0.32] | mg/Kg DWB | 1 | 0.21 | 0.77 | 05/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 24000 | mg/Kg DWB | 10 | 43 | 86 | 05/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 22 | mg/Kg DWB | 1 | 0.43* | 1.5 | 05/25/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.59 | mg/Kg DWB | 2 | 0.17* | | 05/18/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 23 | mg/Kg DWB | 1 | 0.43 | 1.5 | 05/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 8.3 | mg/Kg DWB | 1 | 0.40 | 1.4 | 05/10/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 16 | mg/Kg DWB | 1 | 0.17 | 0.63 | 05/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.35 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 21000 | mg/Kg DWB | 10 | 8.0 | 30 | 05/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [9.0] | mg/Kg DWB | 1 | 4.6 | 17 | 05/09/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 9800 | mg/Kg DWB | 10 | 43 | 86 | 05/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 260 | mg/Kg DWB | 1 | 0.095 | 0.29 | 05/10/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.091 | 0.32 | 05/05/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 19 | mg/Kg DWB | 1 | 1.0 | 3.6 | 05/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1800 | mg/Kg DWB | 1 | 10 | 38 | 05/09/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.1 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.42 | 1.5 | 05/12/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 160 | mg/Kg DWB | 1 | 0.95 | 3.4 | 05/09/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 87.0 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.3 | 05/19/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 36 | mg/Kg DWB | 1 | 0.25 | 0.92 | 05/10/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 40 | mg/Kg DWB | 1 | 0.19 | 0.57 | 05/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/29/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/03/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/27/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88866
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP123-1-3 NLS ID: 368497**
Ref. Line 6 COC 76410 Soil, NS-SOGP123-1-3 Matrix: SO
Collected: 04/21/05 10:35 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 6600 | mg/Kg DWB | 1 | 6.5 | 24 | 05/09/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.9 | 05/19/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [3.3] | mg/Kg DWB | 20 | 1.1 | 3.9 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 86 | mg/Kg DWB | 1 | 0.15 | 0.31 | 05/10/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.69 | mg/Kg DWB | 5 | 0.15 | 0.54 | 05/12/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.23 | 0.83 | 05/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 11000 | mg/Kg DWB | 10 | 46 | 92 | 05/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 13 | mg/Kg DWB | 1 | 0.46* | 1.6 | 05/25/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.23 | mg/Kg DWB | 2 | 0.16* | | 05/18/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 13 | mg/Kg DWB | 1 | 0.46 | 1.6 | 05/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 5.8 | mg/Kg DWB | 1 | 0.43 | 1.5 | 05/10/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 34 | mg/Kg DWB | 1 | 0.18 | 0.68 | 05/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.10 | 0.30 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 16000 | mg/Kg DWB | 10 | 8.6 | 32 | 05/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 73 | mg/Kg DWB | 1 | 5.0 | 18 | 05/09/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 3500 | mg/Kg DWB | 10 | 46 | 92 | 05/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 220 | mg/Kg DWB | 1 | 0.10 | 0.31 | 05/10/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.086 | 0.30 | 05/05/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 14 | mg/Kg DWB | 1 | 1.1 | 3.9 | 05/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 780 | mg/Kg DWB | 1 | 11 | 40 | 05/09/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.5 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.45 | 1.6 | 05/12/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 170 | mg/Kg DWB | 1 | 1.0 | 3.7 | 05/09/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 92.0 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.7 | 5.8 | 05/19/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 29 | mg/Kg DWB | 1 | 0.27 | 0.98 | 05/10/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 130 | mg/Kg DWB | 1 | 0.21 | 0.62 | 05/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/29/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/03/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/27/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88866
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP123-6-8 NLS ID: 368498**
Ref. Line 7 COC 76410 Soil, NS-SOGP123-6-8 Matrix: SO
Collected: 04/21/05 11:00 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 15000 | mg/Kg DWB | 1 | 7.4 | 28 | 05/09/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.8 | 05/19/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.9] | mg/Kg DWB | 20 | 1.1 | 3.8 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 75 | mg/Kg DWB | 1 | 0.18 | 0.35 | 05/10/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.76 | mg/Kg DWB | 5 | 0.18 | 0.62 | 05/12/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.26 | 0.95 | 05/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 53000 | mg/Kg DWB | 100 | 530 | 1100 | 05/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 27 | mg/Kg DWB | 1 | 0.53* | 1.9 | 05/25/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.28 | mg/Kg DWB | 2 | 0.16* | | 05/18/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 28 | mg/Kg DWB | 1 | 0.53 | 1.9 | 05/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 9.8 | mg/Kg DWB | 1 | 0.49 | 1.7 | 05/10/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 19 | mg/Kg DWB | 1 | 0.21 | 0.78 | 05/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.37 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 22000 | mg/Kg DWB | 10 | 9.9 | 37 | 05/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [9.2] | mg/Kg DWB | 1 | 5.7 | 21 | 05/09/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 16000 | mg/Kg DWB | 10 | 53 | 110 | 05/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 440 | mg/Kg DWB | 1 | 0.12 | 0.35 | 05/10/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.093 | 0.33 | 05/05/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 22 | mg/Kg DWB | 1 | 1.2 | 4.5 | 05/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2400 | mg/Kg DWB | 1 | 13 | 46 | 05/09/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.4 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.51 | 1.8 | 05/12/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 230 | mg/Kg DWB | 1 | 1.2 | 4.2 | 05/09/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 84.7 | % | 1 | 0.10* | | 04/25/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.7 | 05/19/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 37 | mg/Kg DWB | 1 | 0.31 | 1.1 | 05/10/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 44 | mg/Kg DWB | 1 | 0.24 | 0.71 | 05/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/29/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/03/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/27/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, W 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88866
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP123-10-12 NLS ID: 168499**
Ref. Line 8 COC 76410 Soil, NS-SOGP123-10-12 Matrix: SO
Collected: 04/21/05 11:10 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 7700 | mg/Kg DWB | 1 | 6.3 | 23 | 05/09/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.7 | 05/19/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.6] | mg/Kg DWB | 20 | 1.1 | 3.7 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 32 | mg/Kg DWB | 1 | 0.15 | 0.30 | 05/10/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.51] | mg/Kg DWB | 5 | 0.15 | 0.52 | 05/12/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.22 | 0.80 | 05/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 15000 | mg/Kg DWB | 10 | 45 | 89 | 05/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 14 | mg/Kg DWB | 1 | 0.45* | 1.6 | 05/25/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.16 | mg/Kg DWB | 2 | 0.14* | | 05/18/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 14 | mg/Kg DWB | 1 | 0.45 | 1.6 | 05/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 5.7 | mg/Kg DWB | 1 | 0.42 | 1.5 | 05/10/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 9.6 | mg/Kg DWB | 1 | 0.18 | 0.66 | 05/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.098 | 0.30 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 14000 | mg/Kg DWB | 10 | 8.3 | 31 | 05/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [5.9] | mg/Kg DWB | 1 | 4.8 | 18 | 05/09/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 6400 | mg/Kg DWB | 10 | 45 | 89 | 05/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 190 | mg/Kg DWB | 1 | 0.098 | 0.30 | 05/10/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.081 | 0.29 | 05/05/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 11 | mg/Kg DWB | 1 | 1.0 | 3.8 | 05/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1100 | mg/Kg DWB | 1 | 11 | 39 | 05/09/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.3 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.43 | 1.6 | 05/12/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 110 | mg/Kg DWB | 1 | 0.98 | 3.6 | 05/09/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 97.9 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.6 | 05/19/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 27 | mg/Kg DWB | 1 | 0.26 | 0.95 | 05/10/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 26 | mg/Kg DWB | 1 | 0.20 | 0.60 | 05/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/29/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/03/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/27/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88866
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SQDUP05-0405 NLS ID: 368500**
Ref. Line 9 COC 76410 Soil, NS-SQDUP05-0405 Matrix: SO
Collected: 04/21/05 00:00 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 16000 | mg/Kg DWB | 1 | 5.6 | 21 | 05/09/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.7 | 05/19/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.3] | mg/Kg DWB | 20 | 1.1 | 3.7 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 85 | mg/Kg DWB | 1 | 0.13 | 0.27 | 05/10/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.53] | mg/Kg DWB | 10 | 0.27 | 0.93 | 05/12/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.20 | 0.72 | 05/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 32000 | mg/Kg DWB | 10 | 40 | 80 | 05/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 26 | mg/Kg DWB | 1 | 0.40* | 1.4 | 05/25/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.17 | mg/Kg DWB | 2 | 0.16* | | 05/18/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 26 | mg/Kg DWB | 1 | 0.40 | 1.4 | 05/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 9.4 | mg/Kg DWB | 1 | 0.37 | 1.3 | 05/10/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 18 | mg/Kg DWB | 1 | 0.16 | 0.58 | 05/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.32 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 22000 | mg/Kg DWB | 10 | 7.4 | 28 | 05/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [7.4] | mg/Kg DWB | 1 | 4.3 | 16 | 05/09/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 11000 | mg/Kg DWB | 10 | 40 | 80 | 05/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 300 | mg/Kg DWB | 1 | 0.088 | 0.27 | 05/10/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.085 | 0.30 | 05/05/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 20 | mg/Kg DWB | 1 | 0.93 | 3.4 | 05/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2400 | mg/Kg DWB | 1 | 9.6 | 35 | 05/09/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.3 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.39 | 1.4 | 05/12/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 170 | mg/Kg DWB | 1 | 0.88 | 3.2 | 05/09/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 93.2 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.6 | 05/19/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 34 | mg/Kg DWB | 1 | 0.23 | 0.85 | 05/10/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 43 | mg/Kg DWB | 1 | 0.18 | 0.53 | 05/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/29/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/03/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/27/05 | SW846 3550B | 721026460 |

**Soil, SQMEOH Blank3-0405 NLS ID: 368501**
Ref. Line 10 COC 76411 Soil, SQMEOH Blank3-0405 Matrix: SO
Collected: 04/21/05 00:00 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (solid) by EPA 8260 | see attached | | | | | 04/29/05 | SW846 8260 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88866
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 05/26/2005 13:17**

**Sample: 368482** **Soil, NS-SOGP114-1-3 MS/MSD** **Collected: 04/20/05** **Analyzed: 05/02/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | [84] | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | 130 | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | 190 | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | 180 | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | [86] | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | [69] | ug/Kg | 1 | 38 | 130 |
| Chrysene | 120 | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | 120 | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | [69] | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | [92] | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | 220 | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | [110] | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 54% | | | | |
| Phenol-d5 (SURR**) | 62% | | | | |
| Nitrobenzene-d5 (SURR**) | 66% | | | | |
| 2-Fluorobiphenyl (SURR**) | 68% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 63% | | | | |
| Terphenyl-d14 (SURR**) | 67% | | | | |

Laboratory control spike, laboratory control spike duplicate, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/26/2005 13:17**

**Sample: 368483** **Soil, NS-SOGP114-4-6** **Collected: 04/20/05** **Analyzed: 05/02/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 12000 | ug/Kg | 100 | 3200 | 11000 |
| Acenaphthylene | 30000 | ug/Kg | 100 | 3100 | 10000 |
| Anthracene | [11000] | ug/Kg | 100 | 3800 | 13000 |
| Benzo[a]anthracene | [6100] | ug/Kg | 100 | 3400 | 11000 |
| Benzo[a]pyrene | [4400] | ug/Kg | 100 | 3400 | 11000 |
| Benzo[b]fluoranthene | ND | ug/Kg | 100 | 3800 | 13000 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 100 | 3300 | 11000 |
| Benzo[k]fluoranthene | ND | ug/Kg | 100 | 3800 | 13000 |
| Chrysene | [5200] | ug/Kg | 100 | 3600 | 12000 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 100 | 3400 | 11000 |
| Dibenzofuran | [7000] | ug/Kg | 100 | 3200 | 11000 |
| Fluoranthene | 12000 | ug/Kg | 100 | 3700 | 12000 |
| Fluorene | 16000 | ug/Kg | 100 | 3200 | 11000 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 100 | 3100 | 10000 |
| 1-Methylnaphthalene | 97000 | ug/Kg | 100 | 3200 | 11000 |
| 2-Methylnaphthalene | 140000 | ug/Kg | 100 | 3100 | 10000 |
| 2-Methylphenol | ND | ug/Kg | 100 | 2600 | 8700 |
| 3 & 4-Methylphenol | ND | ug/Kg | 100 | 5500 | 19000 |
| Naphthalene | 190000 | ug/Kg | 100 | 3100 | 10000 |
| Phenanthrene | 38000 | ug/Kg | 100 | 3700 | 12000 |
| Phenol | ND | ug/Kg | 100 | 2800 | 9400 |
| Pyrene | 16000 | ug/Kg | 100 | 3600 | 12000 |
| Benzo[e]pyrene | ND | ug/Kg | 100 | 3800 | 13000 |
| 2-Fluorophenol (SURR**) | 71% | | | | |
| Phenol-d5 (SURR**) | 67% | | | | |
| Nitrobenzene-d5 (SURR**) | 67% | | | | |
| 2-Fluorobiphenyl (SURR**) | 75% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 54% | | | | |
| Terphenyl-d14 (SURR**) | 67% | | | | |

10 mL final extract volume.

Laboratory control spike, laboratory control spike duplicate, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**
***Project Description: Xcel RIFS/25688375***
**Project Title:** **Template: 8270SNSP** **Printed: 05/26/2005 13:17**

**Sample: 368484** **Soil, NS-SOGP114-12-14** **Collected: 04/20/05** **Analyzed: 05/02/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 20 | 650 | 2200 |
| Acenaphthylene | 6700 | ug/Kg | 20 | 610 | 2000 |
| Anthracene | [2000] | ug/Kg | 20 | 770 | 2600 |
| Benzo[a]anthracene | [1000] | ug/Kg | 20 | 680 | 2300 |
| Benzo[a]pyrene | ND | ug/Kg | 20 | 680 | 2300 |
| Benzo[b]fluoranthene | ND | ug/Kg | 20 | 750 | 2500 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 20 | 650 | 2200 |
| Benzo[k]fluoranthene | ND | ug/Kg | 20 | 760 | 2500 |
| Chrysene | ND | ug/Kg | 20 | 710 | 2400 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 20 | 680 | 2300 |
| Dibenzofuran | [990] | ug/Kg | 20 | 630 | 2100 |
| Fluoranthene | [1900] | ug/Kg | 20 | 750 | 2500 |
| Fluorene | 2800 | ug/Kg | 20 | 650 | 2200 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 20 | 620 | 2100 |
| 1-Methylnaphthalene | 15000 | ug/Kg | 20 | 630 | 2100 |
| 2-Methylnaphthalene | 22000 | ug/Kg | 20 | 620 | 2100 |
| 2-Methylphenol | ND | ug/Kg | 20 | 520 | 1700 |
| 3 & 4-Methylphenol | ND | ug/Kg | 20 | 1100 | 3900 |
| Naphthalene | 31000 | ug/Kg | 20 | 610 | 2000 |
| Phenanthrene | 6500 | ug/Kg | 20 | 730 | 2400 |
| Phenol | [760] | ug/Kg | 20 | 560 | 1900 |
| Pyrene | 2700 | ug/Kg | 20 | 710 | 2400 |
| Benzo[e]pyrene | ND | ug/Kg | 20 | 760 | 2500 |
| 2-Fluorophenol (SURR**) | 76% | | | | |
| Phenol-d5 (SURR**) | 78% | | | | |
| Nitrobenzene-d5 (SURR**) | 72% | | | | |
| 2-Fluorobiphenyl (SURR**) | 81% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 60% | | | | |
| Terphenyl-d14 (SURR**) | 70% | | | | |

10 mL final extract volume.
Laboratory control spike, laboratory control spike duplicate, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/26/2005 13:17**

**Sample: 368485** **Soil, NS-SOGP117-2-4** **Collected: 04/20/05** **Analyzed: 05/02/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 1700 | ug/Kg | 10 | 320 | 1100 |
| Acenaphthylene | 2700 | ug/Kg | 10 | 310 | 1000 |
| Anthracene | 2600 | ug/Kg | 10 | 380 | 1300 |
| Benzo[a]anthracene | 1400 | ug/Kg | 10 | 340 | 1100 |
| Benzo[a]pyrene | 1600 | ug/Kg | 10 | 340 | 1100 |
| Benzo[b]fluoranthene | 1300 | ug/Kg | 10 | 380 | 1300 |
| Benzo[g,h,i]perylene | [540] | ug/Kg | 10 | 330 | 1100 |
| Benzo[k]fluoranthene | [460] | ug/Kg | 10 | 380 | 1300 |
| Chrysene | 1400 | ug/Kg | 10 | 360 | 1200 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 10 | 340 | 1100 |
| Dibenzofuran | [590] | ug/Kg | 10 | 320 | 1100 |
| Fluoranthene | 2800 | ug/Kg | 10 | 370 | 1200 |
| Fluorene | 3400 | ug/Kg | 10 | 320 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 10 | 310 | 1000 |
| 1-Methylnaphthalene | 11000 | ug/Kg | 10 | 320 | 1100 |
| 2-Methylnaphthalene | 15000 | ug/Kg | 10 | 310 | 1000 |
| 2-Methylphenol | ND | ug/Kg | 10 | 260 | 870 |
| 3 & 4-Methylphenol | ND | ug/Kg | 10 | 550 | 1900 |
| Naphthalene | 5200 | ug/Kg | 10 | 310 | 1000 |
| Phenanthrene | 11000 | ug/Kg | 10 | 370 | 1200 |
| Phenol | ND | ug/Kg | 10 | 280 | 940 |
| Pyrene | 4800 | ug/Kg | 10 | 360 | 1200 |
| Benzo[e]pyrene | [960] | ug/Kg | 10 | 380 | 1300 |
| 2-Fluorophenol (SURR**) | 81% | | | | |
| Phenol-d5 (SURR**) | 82% | | | | |
| Nitrobenzene-d5 (SURR**) | 75% | | | | |
| 2-Fluorobiphenyl (SURR**) | 81% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 73% | | | | |
| Terphenyl-d14 (SURR**) | 74% | | | | |

10 mL final extract volume.

Laboratory control spike, laboratory control spike duplicate, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP Printed: 05/26/2005 13:17**

**Sample: 368486** **Soil, NS-SOGP117-6-8** **Collected: 04/20/05** **Analyzed: 05/02/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 5000 | ug/Kg | 20 | 650 | 2200 |
| Acenaphthylene | ND | ug/Kg | 20 | 610 | 2000 |
| Anthracene | ND | ug/Kg | 20 | 770 | 2600 |
| Benzo[a]anthracene | ND | ug/Kg | 20 | 680 | 2300 |
| Benzo[a]pyrene | ND | ug/Kg | 20 | 680 | 2300 |
| Benzo[b]fluoranthene | ND | ug/Kg | 20 | 750 | 2500 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 20 | 650 | 2200 |
| Benzo[k]fluoranthene | ND | ug/Kg | 20 | 760 | 2500 |
| Chrysene | ND | ug/Kg | 20 | 710 | 2400 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 20 | 680 | 2300 |
| Dibenzofuran | ND | ug/Kg | 20 | 630 | 2100 |
| Fluoranthene | ND | ug/Kg | 20 | 750 | 2500 |
| Fluorene | [1300] | ug/Kg | 20 | 650 | 2200 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 20 | 620 | 2100 |
| 1-Methylnaphthalene | 8300 | ug/Kg | 20 | 630 | 2100 |
| 2-Methylnaphthalene | 13000 | ug/Kg | 20 | 620 | 2100 |
| 2-Methylphenol | ND | ug/Kg | 20 | 520 | 1700 |
| 3 & 4-Methylphenol | ND | ug/Kg | 20 | 1100 | 3900 |
| Naphthalene | 29000 | ug/Kg | 20 | 610 | 2000 |
| Phenanthrene | [1700] | ug/Kg | 20 | 730 | 2400 |
| Phenol | ND | ug/Kg | 20 | 560 | 1900 |
| Pyrene | ND | ug/Kg | 20 | 710 | 2400 |
| Benzo[e]pyrene | ND | ug/Kg | 20 | 760 | 2500 |
| 2-Fluorophenol (SURR**) | 71% | | | | |
| Phenol-d5 (SURR**) | 71% | | | | |
| Nitrobenzene-d5 (SURR**) | 64% | | | | |
| 2-Fluorobiphenyl (SURR**) | 74% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 53% | | | | |
| Terphenyl-d14 (SURR**) | 74% | | | | |

10 mL final extract volume.

Laboratory control spike, laboratory control spike duplicate, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 05/26/2005 13:17**

**Sample: 368487** **Soil, NS-SOGP1.17-14-16** **Collected: 04/20/05** **Analyzed: 05/02/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 80 | 2600 | 8600 |
| Acenaphthylene | 19000 | ug/Kg | 80 | 2500 | 8200 |
| Anthracene | [9600] | ug/Kg | 80 | 3100 | 10000 |
| Benzo[a]anthracene | [6200] | ug/Kg | 80 | 2700 | 9100 |
| Benzo[a]pyrene | [6100] | ug/Kg | 80 | 2700 | 9100 |
| Benzo[b]fluoranthene | [4700] | ug/Kg | 80 | 3000 | 10000 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 80 | 2600 | 8700 |
| Benzo[k]fluoranthene | ND | ug/Kg | 80 | 3100 | 10000 |
| Chrysene | [6000] | ug/Kg | 80 | 2900 | 9500 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 80 | 2700 | 9100 |
| Dibenzofuran | ND | ug/Kg | 80 | 2500 | 8400 |
| Fluoranthene | 11000 | ug/Kg | 80 | 3000 | 10000 |
| Fluorene | 9300 | ug/Kg | 80 | 2600 | 8700 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 80 | 2500 | 8300 |
| 1-Methylnaphthalene | 40000 | ug/Kg | 80 | 2500 | 8400 |
| 2-Methylnaphthalene | 61000 | ug/Kg | 80 | 2500 | 8300 |
| 2-Methylphenol | ND | ug/Kg | 80 | 2100 | 7000 |
| 3 & 4-Methylphenol | ND | ug/Kg | 80 | 4400 | 15000 |
| Naphthalene | 96000 | ug/Kg | 80 | 2500 | 8200 |
| Phenanthrene | 37000 | ug/Kg | 80 | 2900 | 9800 |
| Phenol | ND | ug/Kg | 80 | 2300 | 7500 |
| Pyrene | 21000 | ug/Kg | 80 | 2800 | 9500 |
| Benzo[e]pyrene | [3800] | ug/Kg | 80 | 3000 | 10000 |
| 2-Fluorophenol (SURR**) | 67% | | | | |
| Phenol-d5 (SURR**) | 67% | | | | |
| Nitrobenzene-d5 (SURR**) | 64% | | | | |
| 2-Fluorobiphenyl (SURR**) | 75% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 40% | | | | |
| Terphenyl-d14 (SURR**) | 65% | | | | |

10 mL final extract volume.

Laboratory control spike, laboratory control spike duplicate, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 05/26/2005 13:17**

**Sample: 368488** **Soil, NS-SOGP105-2-4** **Collected: 04/20/05** **Analyzed: 05/02/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 23000 | ug/Kg | 50 | 1600 | 5400 |
| Acenaphthylene | 6100 | ug/Kg | 50 | 1500 | 5100 |
| Anthracene | 11000 | ug/Kg | 50 | 1900 | 6400 |
| Benzo[a]anthracene | 9400 | ug/Kg | 50 | 1700 | 5700 |
| Benzo[a]pyrene | 17000 | ug/Kg | 50 | 1700 | 5700 |
| Benzo[b]fluoranthene | 15000 | ug/Kg | 50 | 1900 | 6300 |
| Benzo[g,h,i]perylene | 10000 | ug/Kg | 50 | 1600 | 5400 |
| Benzo[k]fluoranthene | [4900] | ug/Kg | 50 | 1900 | 6400 |
| Chrysene | 11000 | ug/Kg | 50 | 1800 | 5900 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 50 | 1700 | 5700 |
| Dibenzofuran | [4300] | ug/Kg | 50 | 1600 | 5300 |
| Fluoranthene | 15000 | ug/Kg | 50 | 1900 | 6200 |
| Fluorene | 14000 | ug/Kg | 50 | 1600 | 5400 |
| Indeno[1,2,3-cd]pyrene | 5900 | ug/Kg | 50 | 1600 | 5200 |
| 1-Methylnaphthalene | 63000 | ug/Kg | 50 | 1600 | 5300 |
| 2-Methylnaphthalene | [2800] | ug/Kg | 50 | 1600 | 5200 |
| 2-Methylphenol | ND | ug/Kg | 50 | 1300 | 4300 |
| 3 & 4-Methylphenol | ND | ug/Kg | 50 | 2700 | 9600 |
| Naphthalene | 9700 | ug/Kg | 50 | 1500 | 5100 |
| Phenanthrene | 31000 | ug/Kg | 50 | 1800 | 6100 |
| Phenol | ND | ug/Kg | 50 | 1400 | 4700 |
| Pyrene | 25000 | ug/Kg | 50 | 1800 | 5900 |
| Benzo[e]pyrene | 13000 | ug/Kg | 50 | 1900 | 6400 |
| 2-Fluorophenol (SURR**) | 71% | | | | |
| Phenol-d5 (SURR**) | 69% | | | | |
| Nitrobenzene-d5 (SURR**) | 121% | | | | |
| 2-Fluorobiphenyl (SURR**) | 87% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 67% | | | | |
| Terphenyl-d14 (SURR**) | 75% | | | | |

10 mL final extract volume.
Laboratory control spike, laboratory control spike duplicate, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.
Surrogate recovery for Nitrobenzene-d5 was outside QC limits due to sample matrix.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 05/26/2005 13:17**

**Sample: 368489** **Soil, NS-SQDUP03-0405** **Collected: 04/20/05** **Analyzed: 05/02/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 16000 | ug/Kg | 50 | 1600 | 5400 |
| Acenaphthylene | [5000] | ug/Kg | 50 | 1500 | 5100 |
| Anthracene | 7100 | ug/Kg | 50 | 1900 | 6400 |
| Benzo[a]anthracene | 7900 | ug/Kg | 50 | 1700 | 5700 |
| Benzo[a]pyrene | 16000 | ug/Kg | 50 | 1700 | 5700 |
| Benzo[b]fluoranthene | 15000 | ug/Kg | 50 | 1900 | 6300 |
| Benzo[g,h,i]perylene | 10000 | ug/Kg | 50 | 1600 | 5400 |
| Benzo[k]fluoranthene | [4400] | ug/Kg | 50 | 1900 | 6400 |
| Chrysene | 9300 | ug/Kg | 50 | 1800 | 5900 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 50 | 1700 | 5700 |
| Dibenzofuran | [3000] | ug/Kg | 50 | 1600 | 5300 |
| Fluoranthene | 12000 | ug/Kg | 50 | 1900 | 6200 |
| Fluorene | 8800 | ug/Kg | 50 | 1600 | 5400 |
| Indeno[1,2,3-cd]pyrene | 5700 | ug/Kg | 50 | 1600 | 5200 |
| 1-Methylnaphthalene | 50000 | ug/Kg | 50 | 1600 | 5300 |
| 2-Methylnaphthalene | [2400] | ug/Kg | 50 | 1600 | 5200 |
| 2-Methylphenol | ND | ug/Kg | 50 | 1300 | 4300 |
| 3 & 4-Methylphenol | ND | ug/Kg | 50 | 2700 | 9600 |
| Naphthalene | 7800 | ug/Kg | 50 | 1500 | 5100 |
| Phenanthrene | 20000 | ug/Kg | 50 | 1800 | 6100 |
| Phenol | ND | ug/Kg | 50 | 1400 | 4700 |
| Pyrene | 21000 | ug/Kg | 50 | 1800 | 5900 |
| Benzo[e]pyrene | 13000 | ug/Kg | 50 | 1900 | 6400 |
| 2-Fluorophenol (SURR**) | 71% | | | | |
| Phenol-d5 (SURR**) | 70% | | | | |
| Nitrobenzene-d5 (SURR**) | 112% | | | | |
| 2-Fluorobiphenyl (SURR**) | 85% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 50% | | | | |
| Terphenyl-d14 (SURR**) | 74% | | | | |

10 mL final extract volume.

Laboratory control spike, laboratory control spike duplicate, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

Surrogate recovery for Nitrobenzene-d5 was outside QC limits due to sample matrix.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 05/26/2005 13:17**

**Sample: 368490** **Soil, NS-SOGP115-1-3** **Collected: 04/21/05** **Analyzed: 05/02/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 54000 | ug/Kg | 500 | 16000 | 54000 |
| Acenaphthylene | [30000] | ug/Kg | 500 | 15000 | 51000 |
| Anthracene | 150000 | ug/Kg | 500 | 19000 | 64000 |
| Benzo[a]anthracene | 190000 | ug/Kg | 500 | 17000 | 57000 |
| Benzo[a]pyrene | 220000 | ug/Kg | 500 | 17000 | 57000 |
| Benzo[b]fluoranthene | 180000 | ug/Kg | 500 | 19000 | 63000 |
| Benzo[g,h,i]perylene | 86000 | ug/Kg | 500 | 16000 | 54000 |
| Benzo[k]fluoranthene | [56000] | ug/Kg | 500 | 19000 | 64000 |
| Chrysene | 200000 | ug/Kg | 500 | 18000 | 59000 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 500 | 17000 | 57000 |
| Dibenzofuran | ND | ug/Kg | 500 | 16000 | 53000 |
| Fluoranthene | 390000 | ug/Kg | 500 | 19000 | 62000 |
| Fluorene | 100000 | ug/Kg | 500 | 16000 | 54000 |
| Indeno[1,2,3-cd]pyrene | [45000] | ug/Kg | 500 | 16000 | 52000 |
| 1-Methylnaphthalene | 230000 | ug/Kg | 500 | 16000 | 53000 |
| 2-Methylnaphthalene | [39000] | ug/Kg | 500 | 16000 | 52000 |
| 2-Methylphenol | ND | ug/Kg | 500 | 13000 | 43000 |
| 3 & 4-Methylphenol | ND | ug/Kg | 500 | 27000 | 96000 |
| Naphthalene | 91000 | ug/Kg | 500 | 15000 | 51000 |
| Phenanthrene | 590000 | ug/Kg | 500 | 18000 | 61000 |
| Phenol | ND | ug/Kg | 500 | 14000 | 47000 |
| Pyrene | 670000 | ug/Kg | 500 | 18000 | 59000 |
| Benzo[e]pyrene | 150000 | ug/Kg | 500 | 19000 | 64000 |
| 2-Fluorophenol (SURR**) | 74% | | | | |
| Phenol-d5 (SURR**) | 74% | | | | |
| Nitrobenzene-d5 (SURR**) | 448% | | | | |
| 2-Fluorobiphenyl (SURR**) | 115% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 0% | | | | |
| Terphenyl-d14 (SURR**) | 78% | | | | |

10 mL final extract volume.
Laboratory control spike, laboratory control spike duplicate, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.
Surrogate recoveries for Nitrobenzene-d5 and 2-Fluorobiphenyl were outside QC limits due to sample matrix.
The surrogate 2,4,6-Tribromophenol did not recover due to sample matrix.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP Printed: 05/26/2005 13:17**

**Sample: 368491 Soil, NS-SOGP115-4-6** **Collected: 04/21/05** **Analyzed: 05/02/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [4100] | ug/Kg | 80 | 2600 | 8600 |
| Acenaphthylene | ND | ug/Kg | 80 | 2500 | 8200 |
| Anthracene | ND | ug/Kg | 80 | 3100 | 10000 |
| Benzo[a]anthracene | ND | ug/Kg | 80 | 2700 | 9100 |
| Benzo[a]pyrene | ND | ug/Kg | 80 | 2700 | 9100 |
| Benzo[b]fluoranthene | ND | ug/Kg | 80 | 3000 | 10000 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 80 | 2600 | 8700 |
| Benzo[k]fluoranthene | ND | ug/Kg | 80 | 3100 | 10000 |
| Chrysene | ND | ug/Kg | 80 | 2900 | 9500 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 80 | 2700 | 9100 |
| Dibenzofuran | ND | ug/Kg | 80 | 2500 | 8400 |
| Fluoranthene | ND | ug/Kg | 80 | 3000 | 10000 |
| Fluorene | ND | ug/Kg | 80 | 2600 | 8700 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 80 | 2500 | 8300 |
| 1-Methylnaphthalene | 40000 | ug/Kg | 80 | 2500 | 8400 |
| 2-Methylnaphthalene | 110000 | ug/Kg | 80 | 2500 | 8300 |
| 2-Methylphenol | ND | ug/Kg | 80 | 2100 | 7000 |
| 3 & 4-Methylphenol | ND | ug/Kg | 80 | 4400 | 15000 |
| Naphthalene | 29000 | ug/Kg | 80 | 2500 | 8200 |
| Phenanthrene | [7500] | ug/Kg | 80 | 2900 | 9800 |
| Phenol | ND | ug/Kg | 80 | 2300 | 7500 |
| Pyrene | [4700] | ug/Kg | 80 | 2800 | 9500 |
| Benzo[e]pyrene | ND | ug/Kg | 80 | 3000 | 10000 |
| 2-Fluorophenol (SURR**) | 57% | | | | |
| Phenol-d5 (SURR**) | 62% | | | | |
| Nitrobenzene-d5 (SURR**) | 129% | | | | |
| 2-Fluorobiphenyl (SURR**) | 83% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 0% | | | | |
| Terphenyl-d14 (SURR**) | 74% | | | | |

10 mL final extract volume.

Laboratory control spike, laboratory control spike duplicate, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

Surrogate recovery for Nitrobenzene-d5 was outside QC limits due to sample matrix.

The surrogate 2,4,6-Tribromophenol did not recover due to sample matrix.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 05/26/2005 13:17**

**Sample: 368492** **Soil, NSQDUP04-0405** **Collected: 04/21/05** **Analyzed: 05/02/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 600 | ug/Kg | 2 | 65 | 220 |
| Acenaphthylene | [130] | ug/Kg | 2 | 61 | 200 |
| Anthracene | 480 | ug/Kg | 2 | 77 | 260 |
| Benzo[a]anthracene | 350 | ug/Kg | 2 | 68 | 230 |
| Benzo[a]pyrene | 340 | ug/Kg | 2 | 68 | 230 |
| Benzo[b]fluoranthene | 280 | ug/Kg | 2 | 75 | 250 |
| Benzo[g,h,i]perylene | [100] | ug/Kg | 2 | 65 | 220 |
| Benzo[k]fluoranthene | [100] | ug/Kg | 2 | 76 | 250 |
| Chrysene | 340 | ug/Kg | 2 | 71 | 240 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 2 | 68 | 230 |
| Dibenzofuran | [76] | ug/Kg | 2 | 63 | 210 |
| Fluoranthene | 700 | ug/Kg | 2 | 75 | 250 |
| Fluorene | 430 | ug/Kg | 2 | 65 | 220 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 2 | 62 | 210 |
| 1-Methylnaphthalene | 1400 | ug/Kg | 2 | 63 | 210 |
| 2-Methylnaphthalene | 2600 | ug/Kg | 2 | 62 | 210 |
| 2-Methylphenol | ND | ug/Kg | 2 | 52 | 170 |
| 3 & 4-Methylphenol | ND | ug/Kg | 2 | 110 | 390 |
| Naphthalene | 1500 | ug/Kg | 2 | 61 | 200 |
| Phenanthrene | 1700 | ug/Kg | 2 | 73 | 240 |
| Phenol | ND | ug/Kg | 2 | 56 | 190 |
| Pyrene | 1000 | ug/Kg | 2 | 71 | 240 |
| Benzo[e]pyrene | [210] | ug/Kg | 2 | 76 | 250 |
| 2-Fluorophenol (SURR**) | 56% | | | | |
| Phenol-d5 (SURR**) | 61% | | | | |
| Nitrobenzene-d5 (SURR**) | 65% | | | | |
| 2-Fluorobiphenyl (SURR**) | 76% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 66% | | | | |
| Terphenyl-d14 (SURR**) | 72% | | | | |

Laboratory control spike, laboratory control spike duplicate, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP Printed: 05/26/2005 13:17**

**Sample: 368493 Soil, NS-SOGP115-14-16** **Collected: 04/21/05** **Analyzed: 05/02/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 780 | ug/Kg | 4 | 130 | 430 |
| Acenaphthylene | ND | ug/Kg | 4 | 120 | 410 |
| Anthracene | [440] | ug/Kg | 4 | 150 | 510 |
| Benzo[a]anthracene | [250] | ug/Kg | 4 | 140 | 460 |
| Benzo[a]pyrene | [210] | ug/Kg | 4 | 140 | 450 |
| Benzo[b]fluoranthene | [190] | ug/Kg | 4 | 150 | 500 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 4 | 130 | 430 |
| Benzo[k]fluoranthene | ND | ug/Kg | 4 | 150 | 510 |
| Chrysene | [250] | ug/Kg | 4 | 140 | 480 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 4 | 140 | 450 |
| Dibenzofuran | ND | ug/Kg | 4 | 130 | 420 |
| Fluoranthene | 560 | ug/Kg | 4 | 150 | 500 |
| Fluorene | 480 | ug/Kg | 4 | 130 | 430 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 4 | 120 | 420 |
| 1-Methylnaphthalene | 2000 | ug/Kg | 4 | 130 | 420 |
| 2-Methylnaphthalene | 4100 | ug/Kg | 4 | 120 | 410 |
| 2-Methylphenol | ND | ug/Kg | 4 | 100 | 350 |
| 3 & 4-Methylphenol | ND | ug/Kg | 4 | 220 | 770 |
| Naphthalene | 2600 | ug/Kg | 4 | 120 | 410 |
| Phenanthrene | 1800 | ug/Kg | 4 | 150 | 490 |
| Phenol | ND | ug/Kg | 4 | 110 | 380 |
| Pyrene | 900 | ug/Kg | 4 | 140 | 470 |
| Benzo[e]pyrene | ND | ug/Kg | 4 | 150 | 510 |
| 2-Fluorophenol (SURR**) | 50% | | | | |
| Phenol-d5 (SURR**) | 57% | | | | |
| Nitrobenzene-d5 (SURR**) | 64% | | | | |
| 2-Fluorobiphenyl (SURR**) | 75% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 44% | | | | |
| Terphenyl-d14 (SURR**) | 70% | | | | |

Laboratory control spike, laboratory control spike duplicate, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/26/2005 13:17**

**Sample: 368494** **Soil, NS-SOGP120-0-2** **Collected: 04/21/05** **Analyzed: 05/02/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 2 | 65 | 220 |
| Acenaphthylene | 260 | ug/Kg | 2 | 61 | 200 |
| Anthracene | [140] | ug/Kg | 2 | 77 | 260 |
| Benzo[a]anthracene | 710 | ug/Kg | 2 | 68 | 230 |
| Benzo[a]pyrene | 870 | ug/Kg | 2 | 68 | 230 |
| Benzo[b]fluoranthene | 1100 | ug/Kg | 2 | 75 | 250 |
| Benzo[g,h,i]perylene | 310 | ug/Kg | 2 | 65 | 220 |
| Benzo[k]fluoranthene | 370 | ug/Kg | 2 | 76 | 250 |
| Chrysene | 850 | ug/Kg | 2 | 71 | 240 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 2 | 68 | 230 |
| Dibenzofuran | ND | ug/Kg | 2 | 63 | 210 |
| Fluoranthene | 800 | ug/Kg | 2 | 75 | 250 |
| Fluorene | ND | ug/Kg | 2 | 65 | 220 |
| Indeno[1,2,3-cd]pyrene | [150] | ug/Kg | 2 | 62 | 210 |
| 1-Methylnaphthalene | [81] | ug/Kg | 2 | 63 | 210 |
| 2-Methylnaphthalene | [120] | ug/Kg | 2 | 62 | 210 |
| 2-Methylphenol | ND | ug/Kg | 2 | 52 | 170 |
| 3 & 4-Methylphenol | ND | ug/Kg | 2 | 110 | 390 |
| Naphthalene | [85] | ug/Kg | 2 | 61 | 200 |
| Phenanthrene | 500 | ug/Kg | 2 | 73 | 240 |
| Phenol | ND | ug/Kg | 2 | 56 | 190 |
| Pyrene | 1500 | ug/Kg | 2 | 71 | 240 |
| Benzo[e]pyrene | 740 | ug/Kg | 2 | 76 | 250 |
| 2-Fluorophenol (SURR**) | 54% | | | | |
| Phenol-d5 (SURR**) | 63% | | | | |
| Nitrobenzene-d5 (SURR**) | 65% | | | | |
| 2-Fluorobiphenyl (SURR**) | 76% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 62% | | | | |
| Terphenyl-d14 (SURR**) | 76% | | | | |

Laboratory control spike, laboratory control spike duplicate, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

Perylene-d12 internal standard area recovered outside QC limits.

Results for compounds associated with this internal standard may have a high bias.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**
**Project Description: Xcel RIFS/25688375**
***Project Title:*** ***Template: 8270SNSP*** **Printed: 05/26/2005 13:17**

**Sample: 368495** **Soil, NS-SOGP:.20-4-6 MS/MSD** **Collected: 04/21/05** **Analyzed: 05/03/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 55% | | | | |
| Phenol-d5 (SURR**) | 60% | | | | |
| Nitrobenzene-d5 (SURR**) | 59% | | | | |
| 2-Fluorobiphenyl (SURR**) | 63% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 66% | | | | |
| Terphenyl-d14 (SURR**) | 79% | | | | |

Laboratory control spike, laboratory control spike duplicate, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 05/26/2005 13:17**

**Sample: 368496** **Soil, NS-SOGP120-10-12** **Collected: 04/21/05** **Analyzed: 05/03/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 60% | | | | |
| Phenol-d5 (SURR**) | 62% | | | | |
| Nitrobenzene-d5 (SURR**) | 59% | | | | |
| 2-Fluorobiphenyl (SURR**) | 64% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 74% | | | | |
| Terphenyl-d14 (SURR**) | 76% | | | | |

Laboratory control spike, laboratory control spike duplicate, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP Printed: 05/26/2005 13:17**

**Sample: 368497 Soil, NS-SOGP123-1-3** **Collected: 04/21/05** **Analyzed: 05/03/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [74] | ug/Kg | 2 | 65 | 220 |
| Acenaphthylene | [120] | ug/Kg | 2 | 61 | 200 |
| Anthracene | [230] | ug/Kg | 2 | 77 | 260 |
| Benzo[a]anthracene | 900 | ug/Kg | 2 | 68 | 230 |
| Benzo[a]pyrene | 1100 | ug/Kg | 2 | 68 | 230 |
| Benzo[b]fluoranthene | 1200 | ug/Kg | 2 | 75 | 250 |
| Benzo[g,h,i]perylene | 530 | ug/Kg | 2 | 65 | 220 |
| Benzo[k]fluoranthene | 410 | ug/Kg | 2 | 76 | 250 |
| Chrysene | 1100 | ug/Kg | 2 | 71 | 240 |
| Dibenzo[a,h]anthracene | [120] | ug/Kg | 2 | 68 | 230 |
| Dibenzofuran | ND | ug/Kg | 2 | 63 | 210 |
| Fluoranthene | 1800 | ug/Kg | 2 | 75 | 250 |
| Fluorene | ND | ug/Kg | 2 | 65 | 220 |
| Indeno[1,2,3-cd]pyrene | 320 | ug/Kg | 2 | 62 | 210 |
| 1-Methylnaphthalene | [86] | ug/Kg | 2 | 63 | 210 |
| 2-Methylnaphthalene | [94] | ug/Kg | 2 | 62 | 210 |
| 2-Methylphenol | ND | ug/Kg | 2 | 52 | 170 |
| 3 & 4-Methylphenol | ND | ug/Kg | 2 | 110 | 390 |
| Naphthalene | [77] | ug/Kg | 2 | 61 | 200 |
| Phenanthrene | 1300 | ug/Kg | 2 | 73 | 240 |
| Phenol | ND | ug/Kg | 2 | 56 | 190 |
| Pyrene | 2600 | ug/Kg | 2 | 71 | 240 |
| Benzo[e]pyrene | 880 | ug/Kg | 2 | 76 | 250 |
| 2-Fluorophenol (SURR**) | 56% | | | | |
| Phenol-d5 (SURR**) | 61% | | | | |
| Nitrobenzene-d5 (SURR**) | 62% | | | | |
| 2-Fluorobiphenyl (SURR**) | 69% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 67% | | | | |
| Terphenyl-d14 (SURR**) | 83% | | | | |

Laboratory control spike, laboratory control spike duplicate, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 05/26/2005 13:17**

**Sample: 368498** **Soil, NS-SOGP123-6-8** **Collected: 04/21/05** **Analyzed: 05/03/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 60% | | | | |
| Phenol-d5 (SURR**) | 61% | | | | |
| Nitrobenzene-d5 (SURR**) | 59% | | | | |
| 2-Fluorobiphenyl (SURR**) | 61% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 68% | | | | |
| Terphenyl-d14 (SURR**) | 77% | | | | |

Laboratory control spike, laboratory control spike duplicate, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP Printed: 05/26/2005 13:17**

**Sample: 368499 Soil, NS-SOGP:23-10-12** **Collected: 04/21/05** **Analyzed: 05/03/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 63% | | | | |
| Phenol-d5 (SURR**) | 64% | | | | |
| Nitrobenzene-d5 (SURR**) | 64% | | | | |
| 2-Fluorobiphenyl (SURR**) | 69% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 75% | | | | |
| Terphenyl-d14 (SURR**) | 81% | | | | |

Laboratory control spike, laboratory control spike duplicate, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 05/26/2005 13:17**

**Sample: 368500** **Soil, NS-SQDUP05-0405** **Collected: 04/21/05** **Analyzed: 05/03/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 67% | | | | |
| Phenol-d5 (SURR**) | 68% | | | | |
| Nitrobenzene-d5 (SURR**) | 66% | | | | |
| 2-Fluorobiphenyl (SURR**) | 71% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 75% | | | | |
| Terphenyl-d14 (SURR**) | 80% | | | | |

Laboratory control spike, laboratory control spike duplicate, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

** Surrogates are used to evaluate a method's Quality Control.

# ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: SAT2SNSP** **Printed: 05/26/2005 13:17**

**Sample: 368482** **Soil, NS-SOGP114-1-3 MS/MSD** **Collected: 04/20/05** **Analyzed: 04/28/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [19] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | [29] | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 110% | | | | |
| Toluene-d8 (SURR**) | 122% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 111% | | | | |

**Sample: 368483** **Soil, NS-SOGP114-4-6** **Collected: 04/20/05** **Analyzed: 04/28/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 15000 | ug/kg | 50 | 760 | 2500 |
| sec-Butylbenzene | ND | ug/kg | 50 | 960 | 3200 |
| Ethylbenzene | 36000 | ug/kg | 50 | 770 | 2600 |
| ortho-Xylene | 13000 | ug/kg | 50 | 640 | 2100 |
| Styrene | ND | ug/kg | 50 | 860 | 2900 |
| Toluene | 29000 | ug/kg | 50 | 530 | 1700 |
| 1,2,4-Trimethylbenzene | 18000 | ug/kg | 50 | 730 | 2500 |
| 1,3,5-Trimethylbenzene | 5000 | ug/kg | 50 | 820 | 2700 |
| meta,para-Xylene | 27000 | ug/kg | 50 | 1300 | 4400 |
| 1,2,3-Trimethylbenzene | 6400 | ug/kg | 50 | 940 | 3200 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 112% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 107% | | | | |

Sample was diluted due to high level of Naphthalene.

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: SAT2SNSP** **Printed: 05/26/2005 13:17**

**Sample: 368484** **Soil, NS-SOGP114-12-14** **Collected: 04/20/05** **Analyzed: 04/28/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 11000 | ug/kg | 10 | 150 | 510 |
| sec-Butylbenzene | ND | ug/kg | 10 | 190 | 640 |
| Ethylbenzene | 2300 | ug/kg | 10 | 150 | 520 |
| ortho-Xylene | 3800 | ug/kg | 10 | 130 | 420 |
| Styrene | 9200 | ug/kg | 10 | 170 | 580 |
| Toluene | 15000 | ug/kg | 10 | 110 | 340 |
| 1,2,4-Trimethylbenzene | 5000 | ug/kg | 10 | 150 | 490 |
| 1,3,5-Trimethylbenzene | 1400 | ug/kg | 10 | 160 | 550 |
| meta,para-Xylene | 8500 | ug/kg | 10 | 250 | 890 |
| 1,2,3-Trimethylbenzene | 1600 | ug/kg | 10 | 190 | 630 |
| Dibromofluoromethane (SURR**) | 106% | | | | |
| Toluene-d8 (SURR**) | 114% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 110% | | | | |

**Sample: 368485** **Soil, NS-SOGP117-2-4** **Collected: 04/20/05** **Analyzed: 04/28/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 330 | ug/kg | 5 | 76 | 250 |
| sec-Butylbenzene | ND | ug/kg | 5 | 96 | 320 |
| Ethylbenzene | ND | ug/kg | 5 | 77 | 260 |
| ortho-Xylene | [98] | ug/kg | 5 | 64 | 210 |
| Styrene | ND | ug/kg | 5 | 86 | 290 |
| Toluene | 730 | ug/kg | 5 | 53 | 170 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 5 | 73 | 250 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 5 | 82 | 270 |
| meta,para-Xylene | [160] | ug/kg | 5 | 130 | 440 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 5 | 94 | 320 |
| Dibromofluoromethane (SURR**) | 99% | | | | |
| Toluene-d8 (SURR**) | 109% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 105% | | | | |

Sample was diluted due to non-target compounds.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 05/26/2005 13:17**

**Sample: 368486** **Soil, NS-SOGP117-6-8** **Collected: 04/20/05** **Analyzed: 04/28/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 7500 | ug/kg | 10 | 150 | 510 |
| sec-Butylbenzene | ND | ug/kg | 10 | 190 | 640 |
| Ethylbenzene | 10000 | ug/kg | 10 | 150 | 520 |
| ortho-Xylene | 3300 | ug/kg | 10 | 130 | 420 |
| Styrene | ND | ug/kg | 10 | 170 | 580 |
| Toluene | 2200 | ug/kg | 10 | 110 | 340 |
| 1,2,4-Trimethylbenzene | 4100 | ug/kg | 10 | 150 | 490 |
| 1,3,5-Trimethylbenzene | 1400 | ug/kg | 10 | 160 | 550 |
| meta,para-Xylene | 6900 | ug/kg | 10 | 250 | 890 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 10 | 190 | 630 |
| Dibromofluoromethane (SURR**) | 109% | | | | |
| Toluene-d8 (SURR**) | 116% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 114% | | | | |

Sample was diluted due to high level of Naphthalene.

**Sample: 368487** **Soil, NS-SOGP117-14-16** **Collected: 04/20/05** **Analyzed: 04/28/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 7300 | ug/kg | 10 | 150 | 510 |
| sec-Butylbenzene | ND | ug/kg | 10 | 190 | 640 |
| Ethylbenzene | 2000 | ug/kg | 10 | 150 | 520 |
| ortho-Xylene | 3800 | ug/kg | 10 | 130 | 420 |
| Styrene | 8400 | ug/kg | 10 | 170 | 580 |
| Toluene | 17000 | ug/kg | 10 | 110 | 340 |
| 1,2,4-Trimethylbenzene | 5000 | ug/kg | 10 | 150 | 490 |
| 1,3,5-Trimethylbenzene | 1400 | ug/kg | 10 | 160 | 550 |
| meta,para-Xylene | 7900 | ug/kg | 10 | 250 | 890 |
| 1,2,3-Trimethylbenzene | 1700 | ug/kg | 10 | 190 | 630 |
| Dibromofluoromethane (SURR**) | 105% | | | | |
| Toluene-d8 (SURR**) | 115% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 107% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 05/26/2005 13:17**

**Sample: 368488** **Soil, NS-SOGP105-2-4** **Collected: 04/20/05** **Analyzed: 04/28/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 4600 | ug/kg | 25 | 380 | 1300 |
| sec-Butylbenzene | 3500 | ug/kg | 25 | 480 | 1600 |
| Ethylbenzene | 8300 | ug/kg | 25 | 390 | 1300 |
| ortho-Xylene | 2400 | ug/kg | 25 | 320 | 1100 |
| Styrene | ND | ug/kg | 25 | 430 | 1400 |
| Toluene | 1100 | ug/kg | 25 | 260 | 840 |
| 1,2,4-Trimethylbenzene | 12000 | ug/kg | 25 | 370 | 1200 |
| 1,3,5-Trimethylbenzene | 3900 | ug/kg | 25 | 410 | 1400 |
| meta,para-Xylene | 2400 | ug/kg | 25 | 630 | 2200 |
| 1,2,3-Trimethylbenzene | 7000 | ug/kg | 25 | 470 | 1600 |
| Dibromofluoromethane (SURR**) | 95% | | | | |
| Toluene-d8 (SURR**) | 110% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 104% | | | | |

Sample was diluted due to non-target compounds.

**Sample: 368489** **Soil, NS-SQDUP03-0405** **Collected: 04/20/05** **Analyzed: 04/28/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 3900 | ug/kg | 50 | 760 | 2500 |
| sec-Butylbenzene | [2900] | ug/kg | 50 | 960 | 3200 |
| Ethylbenzene | 6300 | ug/kg | 50 | 770 | 2600 |
| ortho-Xylene | [1800] | ug/kg | 50 | 640 | 2100 |
| Styrene | ND | ug/kg | 50 | 860 | 2900 |
| Toluene | [1000] | ug/kg | 50 | 530 | 1700 |
| 1,2,4-Trimethylbenzene | 9400 | ug/kg | 50 | 730 | 2500 |
| 1,3,5-Trimethylbenzene | 3100 | ug/kg | 50 | 820 | 2700 |
| meta,para-Xylene | [2000] | ug/kg | 50 | 1300 | 4400 |
| 1,2,3-Trimethylbenzene | 5500 | ug/kg | 50 | 940 | 3200 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 111% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 107% | | | | |

Sample was diluted due to non-target compounds.

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: SAT2SNSP** **Printed: 05/26/2005 13:17**

**Sample: 368490** **Soil, NS-SOGP115-1-3** **Collected: 04/21/05** **Analyzed: 04/28/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 5100 | ug/kg | 100 | 1500 | 5100 |
| sec-Butylbenzene | ND | ug/kg | 100 | 1900 | 6400 |
| Ethylbenzene | 5900 | ug/kg | 100 | 1500 | 5200 |
| ortho-Xylene | [2300] | ug/kg | 100 | 1300 | 4200 |
| Styrene | ND | ug/kg | 100 | 1700 | 5800 |
| Toluene | [1600] | ug/kg | 100 | 1100 | 3400 |
| 1,2,4-Trimethylbenzene | 15000 | ug/kg | 100 | 1500 | 4900 |
| 1,3,5-Trimethylbenzene | [5400] | ug/kg | 100 | 1600 | 5500 |
| meta,para-Xylene | ND | ug/kg | 100 | 2500 | 8900 |
| 1,2,3-Trimethylbenzene | 8600 | ug/kg | 100 | 1900 | 6300 |
| Dibromofluoromethane (SURR**) | 111% | | | | |
| Toluene-d8 (SURR**) | 121% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 111% | | | | |

Sample was diluted due to non-target compounds.

**Sample: 368491** **Soil, NS-SOGP115-4-6** **Collected: 04/21/05** **Analyzed: 04/28/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 6500 | ug/kg | 50 | 760 | 2500 |
| sec-Butylbenzene | [1500] | ug/kg | 50 | 960 | 3200 |
| Ethylbenzene | 6200 | ug/kg | 50 | 770 | 2600 |
| ortho-Xylene | 2400 | ug/kg | 50 | 640 | 2100 |
| Styrene | ND | ug/kg | 50 | 860 | 2900 |
| Toluene | 1900 | ug/kg | 50 | 530 | 1700 |
| 1,2,4-Trimethylbenzene | 11000 | ug/kg | 50 | 730 | 2500 |
| 1,3,5-Trimethylbenzene | [2600] | ug/kg | 50 | 820 | 2700 |
| meta,para-Xylene | [3600] | ug/kg | 50 | 1300 | 4400 |
| 1,2,3-Trimethylbenzene | 5600 | ug/kg | 50 | 940 | 3200 |
| Dibromofluoromethane (SURR**) | 110% | | | | |
| Toluene-d8 (SURR**) | 119% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 117% | | | | |

Sample was diluted due to non-target compounds.

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: SAT2SNSP** **Printed: 05/26/2005 13:17**

**Sample: 368492** **Soil, NSQDUP04-0405** **Collected: 04/21/05** **Analyzed: 04/29/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [190] | ug/kg | 10 | 150 | 510 |
| sec-Butylbenzene | ND | ug/kg | 10 | 190 | 640 |
| Ethylbenzene | 1200 | ug/kg | 10 | 150 | 520 |
| ortho-Xylene | 800 | ug/kg | 10 | 130 | 420 |
| Styrene | ND | ug/kg | 10 | 170 | 580 |
| Toluene | ND | ug/kg | 10 | 110 | 340 |
| 1,2,4-Trimethylbenzene | 1500 | ug/kg | 10 | 150 | 490 |
| 1,3,5-Trimethylbenzene | [420] | ug/kg | 10 | 160 | 550 |
| meta,para-Xylene | 1400 | ug/kg | 10 | 250 | 890 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 10 | 190 | 630 |
| Dibromofluoromethane (SURR**) | 102% | | | | |
| Toluene-d8 (SURR**) | 112% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 105% | | | | |

Sample was diluted due to non-target compounds.

**Sample: 368493** **Soil, NS-SOGP115-14-16** **Collected: 04/21/05** **Analyzed: 04/29/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 120 | ug/kg | 2 | 30 | 100 |
| sec-Butylbenzene | ND | ug/kg | 2 | 39 | 130 |
| Ethylbenzene | 490 | ug/kg | 2 | 31 | 100 |
| ortho-Xylene | 210 | ug/kg | 2 | 25 | 85 |
| Styrene | ND | ug/kg | 2 | 35 | 120 |
| Toluene | 1000 | ug/kg | 2 | 21 | 67 |
| 1,2,4-Trimethylbenzene | 420 | ug/kg | 2 | 29 | 98 |
| 1,3,5-Trimethylbenzene | 120 | ug/kg | 2 | 33 | 110 |
| meta,para-Xylene | 370 | ug/kg | 2 | 50 | 180 |
| 1,2,3-Trimethylbenzene | 160 | ug/kg | 2 | 38 | 130 |
| Dibromofluoromethane (SURR**) | 111% | | | | |
| Toluene-d8 (SURR**) | 114% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 109% | | | | |

Sample was diluted due to non-target compounds.

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**
**Project Description: Xcel RIFS/25688375**
***Project Title:*** ***Template: SAT2SNSP*** ***Printed: 05/26/2005 13:17***

**Sample: 368494 Soil, NS-SOGP120-0-2** **Collected: 04/21/05** **Analyzed: 04/29/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [21] | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | [20] | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | [35] | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 580 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | [40] | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | [75] | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 110% | | | | |
| Toluene-d8 (SURR**) | 118% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 110% | | | | |

**Sample: 368495 Soil, NS-SOGP120-4-6 MS/MSD** **Collected: 04/21/05** **Analyzed: 04/29/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 106% | | | | |
| Toluene-d8 (SURR**) | 116% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 107% | | | | |

**Sample: 368496 Soil, NS-SOGP120-10-12** **Collected: 04/21/05** **Analyzed: 04/29/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 102% | | | | |
| Toluene-d8 (SURR**) | 111% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 107% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 05/26/2005 13:17**

**Sample: 368497** **Soil, NS-SOGP123-1-3** **Collected: 04/21/05** **Analyzed: 04/29/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [18] | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | [20] | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | [27] | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 49 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | [22] | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | [41] | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 105% | | | | |
| Toluene-d8 (SURR**) | 112% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

**Sample: 368498** **Soil, NS-SOGP123-6-8** **Collected: 04/21/05** **Analyzed: 04/29/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [15] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 112% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 105% | | | | |

**Sample: 368499** **Soil, NS-SOGP123-10-12** **Collected: 04/21/05** **Analyzed: 04/29/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 107% | | | | |
| Toluene-d8 (SURR**) | 117% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 107% | | | | |

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88866**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: SAT2SNSP** **Printed: 05/26/2005 13:17**

**Sample: 368500** **Soil, NS-SQDUP05-0405** **Collected: 04/21/05** **Analyzed: 04/29/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 101% | | | | |
| Toluene-d8 (SURR**) | 109% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 107% | | | | |

**Sample: 368501** **Soil, SQMEOH Blank3-0405** **Collected: 04/21/05** **Analyzed: 04/29/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [13] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 102% | | | | |
| Toluene-d8 (SURR**) | 112% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

NORTHERN LAKE SERVICE, INC.
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400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88868
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP128-1-3 NLS ID: 368502**
Ref. Line 1 COC 76410 Soil, NS-SOGP128-1-3 Matrix: SO
Collected: 04/21/05 11:20 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 9200 | mg/Kg DWB | 1 | 7.0 | 26 | 05/16/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 5.0 | 05/20/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 5.8 | mg/Kg DWB | 20 | 1.1 | 3.9 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 180 | mg/Kg DWB | 1 | 0.17 | 0.33 | 05/14/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 2.8 | mg/Kg DWB | 5 | 0.17 | 0.58 | 05/15/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | [0.31] | mg/Kg DWB | 1 | 0.25 | 0.90 | 05/13/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 8500 | mg/Kg DWB | 10 | 50 | 100 | 05/15/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 19 | mg/Kg DWB | 1 | 0.50* | 1.8 | 05/17/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.16* | | 04/29/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 19 | mg/Kg DWB | 1 | 0.50 | 1.8 | 05/13/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 9.2 | mg/Kg DWB | 1 | 0.47 | 1.6 | 05/14/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 61 | mg/Kg DWB | 1 | 0.20 | 0.73 | 05/13/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.33 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 22000 | mg/Kg DWB | 10 | 9.3 | 35 | 05/15/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 140 | mg/Kg DWB | 1 | 5.4 | 20 | 05/16/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 4600 | mg/Kg DWB | 10 | 50 | 100 | 05/15/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 270 | mg/Kg DWB | 1 | 0.11 | 0.33 | 05/14/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.085 | 0.30 | 05/09/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 20 | mg/Kg DWB | 1 | 1.2 | 4.2 | 05/13/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 900 | mg/Kg DWB | 1 | 12 | 44 | 05/12/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | [1.7] | mg/Kg DWB | 20 | 1.3 | 4.5 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.48 | 1.7 | 05/16/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 330 | mg/Kg DWB | 1 | 1.1 | 4.0 | 05/12/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 92.8 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.7 | 5.9 | 05/23/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 39 | mg/Kg DWB | 1 | 0.29 | 1.1 | 05/14/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 170 | mg/Kg DWB | 1 | 0.22 | 0.67 | 05/13/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/29/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/03/04 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/03/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/27/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88868
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP128-4-6 NLS ID: 368503**
Ref. Line 1 COC 76411 Soil, NS-SOGP128-4-6 Matrix: SO
Collected: 04/21/05 11:40 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 16000 | mg/Kg DWB | 1 | 7.2 | 27 | 05/16/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.0 | 3.7 | 05/20/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 3.3 | mg/Kg DWB | 20 | 0.83 | 2.9 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 90 | mg/Kg DWB | 1 | 0.17 | 0.34 | 05/14/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.86 | mg/Kg DWB | 5 | 0.17 | 0.60 | 05/15/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.25 | 0.93 | 05/13/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 8600 | mg/Kg DWB | 10 | 52 | 100 | 05/15/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 26 | mg/Kg DWB | 1 | 0.52* | 1.8 | 05/17/05 | Calc. | 721026460 |
| *Chromium, Hex. as Cr+6 (soil)* | ND | mg/Kg DWB | 2 | 0.16* | | 04/29/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 26 | mg/Kg DWB | 1 | 0.52 | 1.8 | 05/13/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 8.1 | mg/Kg DWB | 1 | 0.48 | 1.7 | 05/14/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 18 | mg/Kg DWB | 1 | 0.20 | 0.76 | 05/13/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.32 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 20000 | mg/Kg DWB | 10 | 9.6 | 36 | 05/15/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 28 | mg/Kg DWB | 1 | 5.6 | 20 | 05/16/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 6000 | mg/Kg DWB | 10 | 52 | 100 | 05/15/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 260 | mg/Kg DWB | 1 | 0.11 | 0.34 | 05/14/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.087 | 0.31 | 05/09/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 17 | mg/Kg DWB | 1 | 1.2 | 4.4 | 05/13/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1900 | mg/Kg DWB | 1 | 12 | 45 | 05/12/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.97 | 3.3 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.50 | 1.8 | 05/16/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 170 | mg/Kg DWB | 1 | 1.1 | 4.1 | 05/12/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 91.2 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.4 | 05/23/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 33 | mg/Kg DWB | 1 | 0.30 | 1.1 | 05/14/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 42 | mg/Kg DWB | 1 | 0.23 | 0.69 | 05/13/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/29/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/03/04 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/03/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/27/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RIFS/25688375

NLS Project: 88868
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**Soil, NS-SOGP128-10-12 NLS ID: 368504**
Ref. Line 2 COC 76411 Soil, NS-SOGP128-10-12 Matrix: SO
Collected: 04/21/05 11:50 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 7000 | mg/Kg DWB | 1 | 6.4 | 24 | 05/16/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.6 | 05/20/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.0] | mg/Kg DWB | 20 | 1.0 | 3.6 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 37 | mg/Kg DWB | 1 | 0.15 | 0.30 | 05/14/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.39] | mg/Kg DWB | 5 | 0.15 | 0.53 | 05/15/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.22 | 0.82 | 05/13/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 12000 | mg/Kg DWB | 10 | 46 | 91 | 05/15/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 12 | mg/Kg DWB | 1 | 0.46* | 1.6 | 05/17/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.14* | | 04/29/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 12 | mg/Kg DWB | 1 | 0.46 | 1.6 | 05/13/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 5.5 | mg/Kg DWB | 1 | 0.42 | 1.5 | 05/14/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 9.6 | mg/Kg DWB | 1 | 0.18 | 0.67 | 05/13/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.099 | 0.30 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 12000 | mg/Kg DWB | 10 | 8.5 | 32 | 05/15/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 4.9 | 18 | 05/16/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 5700 | mg/Kg DWB | 10 | 46 | 91 | 05/15/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 190 | mg/Kg DWB | 1 | 0.10 | 0.30 | 05/14/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.084 | 0.30 | 05/09/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 9.4 | mg/Kg DWB | 1 | 1.1 | 3.9 | 05/13/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1000 | mg/Kg DWB | 1 | 11 | 40 | 05/12/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.2 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.44 | 1.6 | 05/16/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 99 | mg/Kg DWB | 1 | 1.0 | 3.6 | 05/12/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 94.0 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.4 | 05/23/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 23 | mg/Kg DWB | 1 | 0.26 | 0.97 | 05/14/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 22 | mg/Kg DWB | 1 | 0.20 | 0.61 | 05/13/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/29/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/03/04 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/03/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/27/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88868
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP131-0-2 NLS ID: 368505**
Ref. Line 3 COC 76411 Soil, NS-SOGP131-0-2 Matrix: SO
Collected: 04/21/05 12:00 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 8000 | mg/Kg DWB | 1 | 6.2 | 23 | 05/16/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.8 | 05/20/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [3.6] | mg/Kg DWB | 20 | 1.1 | 3.8 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 94 | mg/Kg DWB | 1 | 0.15 | 0.29 | 05/14/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.93 | mg/Kg DWB | 5 | 0.15 | 0.52 | 05/15/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.22 | 0.80 | 05/13/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 8300 | mg/Kg DWB | 10 | 44 | 88 | 05/15/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 15 | mg/Kg DWB | 1 | 0.44* | 1.6 | 05/17/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.15* | | 04/29/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 15 | mg/Kg DWB | 1 | 0.44 | 1.6 | 05/13/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.8 | mg/Kg DWB | 1 | 0.41 | 1.4 | 05/14/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 28 | mg/Kg DWB | 1 | 0.17 | 0.65 | 05/13/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.33 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 15000 | mg/Kg DWB | 10 | 8.3 | 31 | 05/15/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 75 | mg/Kg DWB | 1 | 4.8 | 17 | 05/16/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 4000 | mg/Kg DWB | 10 | 44 | 88 | 05/15/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 290 | mg/Kg DWB | 1 | 0.097 | 0.29 | 05/14/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.085 | 0.30 | 05/09/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 14 | mg/Kg DWB | 1 | 1.0 | 3.7 | 05/13/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1300 | mg/Kg DWB | 1 | 11 | 39 | 05/12/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.3 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.43 | 1.5 | 05/16/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 200 | mg/Kg DWB | 1 | 0.97 | 3.5 | 05/12/05 | SW846 6010 | 721026460 |
| Solics, total on solids | 92.5 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.6 | 05/23/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 30 | mg/Kg DWB | 1 | 0.26 | 0.94 | 05/14/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 92 | mg/Kg DWB | 1 | 0.20 | 0.59 | 05/13/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/29/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/03/04 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/03/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/27/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RIFS/25688375

NLS Project: 88868
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

**Soil, NS-SOGP131-6-8 NLS ID: 368506**
Ref. Line 4 COC 76411 Soil, NS-SOGP131-6-8 Matrix: SO
Collected: 04/21/05 12:30 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 18000 | mg/Kg DWB | 1 | 7.9 | 29 | 05/16/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 5.1 | 05/20/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.4] | mg/Kg DWB | 20 | 1.1 | 4.1 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 83 | mg/Kg DWB | 1 | 0.19 | 0.38 | 05/14/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.81 | mg/Kg DWB | 5 | 0.19 | 0.66 | 05/15/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.28 | 1.0 | 05/13/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 3500 | mg/Kg DWB | 10 | 56 | 110 | 05/15/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 31 | mg/Kg DWB | 1 | 0.56* | 2.0 | 05/17/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.38 | mg/Kg DWB | 2 | 0.19* | | 04/29/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 31 | mg/Kg DWB | 1 | 0.56 | 2.0 | 05/13/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 11 | mg/Kg DWB | 1 | 0.53 | 1.8 | 05/14/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 19 | mg/Kg DWB | 1 | 0.22 | 0.83 | 05/13/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.14] | mg/Kg DWB | 1 | 0.12 | 0.35 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 24000 | mg/Kg DWB | 10 | 11 | 39 | 05/15/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [10] | mg/Kg DWB | 1 | 6.1 | 22 | 05/16/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 6400 | mg/Kg DWB | 10 | 56 | 110 | 05/15/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 270 | mg/Kg DWB | 1 | 0.12 | 0.38 | 05/14/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.099 | 0.35 | 05/09/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 20 | mg/Kg DWB | 1 | 1.3 | 4.8 | 05/13/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2200 | mg/Kg DWB | 1 | 14 | 49 | 05/12/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.6 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.54 | 2.0 | 05/16/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 120 | mg/Kg DWB | 1 | 1.2 | 4.5 | 05/12/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 79.6 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.7 | 6.1 | 05/23/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 39 | mg/Kg DWB | 1 | 0.33 | 1.2 | 05/14/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 44 | mg/Kg DWB | 1 | 0.25 | 0.75 | 05/13/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/29/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/03/04 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/03/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/27/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88868
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP131-10-12 NLS ID: 358507**
Ref. Line 5 COC 76411 Soil, NS-SOGP131-10-12 Matrix: SO
Collected: 04/21/05 12:20 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 9600 | mg/Kg DWB | 1 | 6.5 | 24 | 05/16/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 4.1 | 05/20/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.1] | mg/Kg DWB | 20 | 0.91 | 3.2 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 54 | mg/Kg DWB | 1 | 0.15 | 0.31 | 05/14/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.71 | mg/Kg DWB | 5 | 0.15 | 0.54 | 05/15/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.23 | 0.83 | 05/13/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 20000 | mg/Kg DWB | 10 | 46 | 92 | 05/15/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 17 | mg/Kg DWB | 1 | 0.46* | 1.6 | 05/17/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.16* | | 04/29/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 17 | mg/Kg DWB | 1 | 0.46 | 1.6 | 05/13/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.5 | mg/Kg DWB | 1 | 0.43 | 1.5 | 05/14/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 14 | mg/Kg DWB | 1 | 0.18 | 0.68 | 05/13/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.33 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 16000 | mg/Kg DWB | 10 | 8.6 | 32 | 05/15/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.0 | 18 | 05/16/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 7200 | mg/Kg DWB | 10 | 46 | 92 | 05/15/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 240 | mg/Kg DWB | 1 | 0.10 | 0.31 | 05/14/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.089 | 0.31 | 05/09/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 13 | mg/Kg DWB | 1 | 1.1 | 3.9 | 05/13/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1400 | mg/Kg DWB | 1 | 11 | 40 | 05/12/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.1 | 3.7 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | 2.7 | mg/Kg DWB | 1 | 0.45 | 1.6 | 05/16/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 140 | mg/Kg DWB | 1 | 1.0 | 3.7 | 05/12/05 | SW846 6010 | 721026460 |
| Solics, total on solids | 89.1 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.8 | 05/23/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 31 | mg/Kg DWB | 1 | 0.27 | 0.98 | 05/14/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 27 | mg/Kg DWB | 1 | 0.21 | 0.61 | 05/13/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/29/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/03/04 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/04/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/28/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88868
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP134-1-3 NLS ID: 368508**
Ref. Line 6 COC 76411 Soil, NS-SOGP134-1-3 Matrix: SO
Collected: 04/21/05 13:15 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 9300 | mg/Kg DWB | 1 | 7.0 | 26 | 05/16/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.5 | 05/20/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 9.5 | mg/Kg DWB | 20 | 1.2 | 4.4 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 130 | mg/Kg DWB | 1 | 0.17 | 0.33 | 05/14/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.52] | mg/Kg DWB | 5 | 0.17 | 0.58 | 05/15/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | [0.63] | mg/Kg DWB | 1 | 0.25 | 0.90 | 05/13/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 18000 | mg/Kg DWB | 10 | 50 | 100 | 05/15/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 18 | mg/Kg DWB | 1 | 0.50* | 1.8 | 05/17/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 04/29/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 18 | mg/Kg DWB | 1 | 0.50 | 1.8 | 05/13/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.2 | mg/Kg DWB | 1 | 0.47 | 1.6 | 05/14/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 44 | mg/Kg DWB | 1 | 0.20 | 0.73 | 05/13/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.21] | mg/Kg DWB | 1 | 0.12 | 0.35 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 19000 | mg/Kg DWB | 10 | 9.3 | 35 | 05/15/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 390 | mg/Kg DWB | 1 | 5.4 | 20 | 05/16/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 5200 | mg/Kg DWB | 10 | 50 | 100 | 05/15/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 310 | mg/Kg DWB | 1 | 0.11 | 0.33 | 05/14/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | [0.18] | mg/Kg DWB | 1 | 0.093 | 0.33 | 05/09/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 16 | mg/Kg DWB | 1 | 1.2 | 4.2 | 05/13/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1700 | mg/Kg DWB | 1 | 12 | 44 | 05/12/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | [1.8] | mg/Kg DWB | 20 | 1.4 | 5.0 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.48 | 1.7 | 05/16/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 210 | mg/Kg DWB | 1 | 1.1 | 4.0 | 05/12/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 84.6 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.8 | 6.5 | 05/23/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 25 | mg/Kg DWB | 1 | 0.29 | 1.1 | 05/14/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 270 | mg/Kg DWB | 1 | 0.22 | 0.67 | 05/13/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/29/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/03/04 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/04/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/28/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88868
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP134-10-12 NLS ID: 358509**
Ref. Line 7 COC 76411 Soil, NS-SOGP134-10-12 Matrix: SO
Collected: 04/21/05 14:00 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 19000 | mg/Kg DWB | 1 | 7.9 | 29 | 05/16/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 2.1 | 7.6 | 05/20/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [3.2] | mg/Kg DWB | 20 | 1.7 | 6.0 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 110 | mg/Kg DWB | 1 | 0.19 | 0.37 | 05/14/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 1.2 | mg/Kg DWB | 5 | 0.19 | 0.65 | 05/15/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.28 | 1.0 | 05/13/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 42000 | mg/Kg DWB | 10 | 56 | 110 | 05/15/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 32 | mg/Kg DWB | 1 | 0.56* | 2.0 | 05/17/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.34 | mg/Kg DWB | 2 | 0.25* | | 04/29/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 32 | mg/Kg DWB | 1 | 0.56 | 2.0 | 05/13/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 11 | mg/Kg DWB | 1 | 0.52 | 1.8 | 05/14/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 28 | mg/Kg DWB | 1 | 0.22 | 0.82 | 05/13/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.44] | mg/Kg DWB | 1 | 0.17 | 0.51 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 27000 | mg/Kg DWB | 10 | 10 | 39 | 05/15/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 23 | mg/Kg DWB | 1 | 6.1 | 22 | 05/16/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 15000 | mg/Kg DWB | 10 | 56 | 110 | 05/15/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 440 | mg/Kg DWB | 1 | 0.12 | 0.37 | 05/14/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.13 | 0.47 | 05/09/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 25 | mg/Kg DWB | 1 | 1.3 | 4.8 | 05/13/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 3400 | mg/Kg DWB | 1 | 13 | 49 | 05/12/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 2.0 | 6.9 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.54 | 1.9 | 05/16/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 230 | mg/Kg DWB | 1 | 1.2 | 4.5 | 05/12/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 60.0 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 2.5 | 9.0 | 05/23/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 48 | mg/Kg DWB | 1 | 0.33 | 1.2 | 05/14/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 60 | mg/Kg DWB | 1 | 0.25 | 0.75 | 05/13/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/29/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/03/04 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/04/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/28/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88868
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP134-14-16 NLS ID: 368510**

Ref. Line 8 COC 76411 Soil, NS-SOGP134-14-16 Matrix: SO
Collected: 04/21/05 13:40 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 11000 | mg/Kg DWB | 1 | 7.2 | 27 | 05/16/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.5 | 05/20/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.2] | mg/Kg DWB | 20 | 1.0 | 3.5 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 62 | mg/Kg DWB | 1 | 0.17 | 0.34 | 05/14/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.74 | mg/Kg DWB | 5 | 0.17 | 0.60 | 05/15/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.25 | 0.93 | 05/13/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 19000 | mg/Kg DWB | 10 | 52 | 100 | 05/15/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 18 | mg/Kg DWB | 1 | 0.52* | 1.8 | 05/17/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.21 | mg/Kg DWB | 2 | 0.16* | | 04/29/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 19 | mg/Kg DWB | 1 | 0.52 | 1.8 | 05/13/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.1 | mg/Kg DWB | 1 | 0.48 | 1.7 | 05/14/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 15 | mg/Kg DWB | 1 | 0.20 | 0.76 | 05/13/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.35 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 18000 | mg/Kg DWB | 10 | 9.6 | 36 | 05/15/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [6.6] | mg/Kg DWB | 1 | 5.6 | 20 | 05/16/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 7500 | mg/Kg DWB | 10 | 52 | 100 | 05/15/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 260 | mg/Kg DWB | 1 | 0.11 | 0.34 | 05/14/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.089 | 0.32 | 05/09/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 15 | mg/Kg DWB | 1 | 1.2 | 4.4 | 05/13/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1700 | mg/Kg DWB | 1 | 12 | 45 | 05/12/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.0 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.50 | 1.8 | 05/16/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 160 | mg/Kg DWB | 1 | 1.1 | 4.1 | 05/12/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 88.4 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.3 | 05/23/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 35 | mg/Kg DWB | 1 | 0.30 | 1.1 | 05/14/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 32 | mg/Kg DWB | 1 | 0.23 | 0.69 | 05/13/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/29/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/03/04 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/04/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/28/05 | SW846 3550B | 721026460 |

**Soil, SQMeoHBlank 4-0405 NLS ID: 368511**

Ref. Line COC 76411 Soil, SQMeoHBlank 4-0405 Matrix: TB
Collected: 04/21/05 00:00 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/03/04 | SW846 8260 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RIFS/25688375

NLS Project: 88868
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**Soil, NS-SOGP137-0-2 NLS ID: 368521**
Ref. Line 1 COC 76412 Soil, NS-SOGP137-0-2 Matrix: SO
Collected: 04/21/05 14:10 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 14000 | mg/Kg DWB | 1 | 8.6 | 32 | 05/16/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 5.1 | 05/20/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 5.3 | mg/Kg DWB | 20 | 1.1 | 4.1 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 150 | mg/Kg DWB | 1 | 0.20 | 0.41 | 05/14/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.82 | mg/Kg DWB | 5 | 0.20 | 0.72 | 05/15/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | [0.60] | mg/Kg DWB | 1 | 0.30 | 1.1 | 05/13/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 14000 | mg/Kg DWB | 10 | 61 | 120 | 05/15/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 26 | mg/Kg DWV | 1 | 0.61* | 2.2 | 05/17/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.18* | | 04/29/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 26 | mg/Kg DWB | 1 | 0.61 | 2.2 | 05/13/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 9.5 | mg/Kg DWB | 1 | 0.57 | 2.0 | 05/14/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 56 | mg/Kg DWB | 1 | 0.24 | 0.90 | 05/13/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 1.5 | mg/Kg DWB | 1 | 0.13 | 0.38 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 24000 | mg/Kg DWB | 10 | 11 | 42 | 05/15/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 210 | mg/Kg DWB | 1 | 6.6 | 24 | 05/16/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 7000 | mg/Kg DWB | 10 | 61 | 120 | 05/15/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 330 | mg/Kg DWB | 1 | 0.13 | 0.41 | 05/14/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | [0.27] | mg/Kg DWB | 1 | 0.098 | 0.35 | 05/09/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 21 | mg/Kg DWB | 1 | 1.4 | 5.2 | 05/13/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2100 | mg/Kg DWB | 1 | 15 | 54 | 05/12/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | [1.4] | mg/Kg DWB | 20 | 1.3 | 4.7 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.59 | 2.1 | 05/16/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 340 | mg/Kg DWB | 1 | 1.3 | 4.9 | 05/12/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 80.5 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.7 | 6.1 | 05/23/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 38 | mg/Kg DWB | 1 | 0.36 | 1.3 | 05/14/05 | SW846 6010 | 721026460 |
| Zinc tot. recoverable as Zn by ICP | 180 | mg/Kg DWB | 1 | 0.27 | 0.82 | 05/13/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/29/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/03/04 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/04/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/28/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88868**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

**Soil, NS-SOGP137-14-16 NLS ID: 368522**
Ref. Line 2 COC 76412 Soil, NS-SOGP137-14-16 Matrix: SO
Collected: 04/21/05 15:30 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 14000 | mg/Kg DWB | 1 | 5.9 | 22 | 05/16/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.6 | 05/20/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.3] | mg/Kg DWB | 20 | 1.0 | 3.6 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 75 | mg/Kg DWB | 1 | 0.14 | 0.28 | 05/14/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 1.0 | mg/Kg DWB | 5 | 0.14 | 0.49 | 05/15/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.21 | 0.76 | 05/13/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 10000 | mg/Kg DWB | 10 | 42 | 84 | 05/15/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 25 | mg/Kg DWV | 1 | 0.42* | 1.5 | 05/17/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.18* | | 04/29/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 25 | mg/Kg DWB | 1 | 0.42 | 1.5 | 05/13/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 8.9 | mg/Kg DWB | 1 | 0.39 | 1.4 | 05/14/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 16 | mg/Kg DWB | 1 | 0.17 | 0.0062 | 05/13/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.36 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 20000 | mg/Kg DWB | 10 | 7.9 | 29 | 05/15/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 17 | mg/Kg DWB | 1 | 4.6 | 17 | 05/16/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 6800 | mg/Kg DWB | 10 | 42 | 84 | 05/15/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 280 | mg/Kg DWB | 1 | 0.093 | 0.28 | 05/14/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | [0.13] | mg/Kg DWB | 1 | 0.093 | 0.33 | 05/09/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 18 | mg/Kg DWB | 1 | 0.98 | 3.6 | 05/13/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2000 | mg/Kg DWB | 1 | 10 | 37 | 05/12/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.1 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.41 | 1.5 | 05/16/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 170 | mg/Kg DWB | 1 | 0.93 | 3.4 | 05/12/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 85.0 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.4 | 05/23/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 36 | mg/Kg DWB | 1 | 0.24 | 0.90 | 05/14/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 40 | mg/Kg DWB | 1 | 0.19 | 0.56 | 05/13/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/29/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/07/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/04/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/28/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88868
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP138-1-3 NLS ID: 368523**
Ref. Line 3 COC 76412 Soil, NS-SOGP138 1-3 Matrix: SO
Collected: 04/21/05 16:00 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 12000 | mg/Kg DWB | 1 | 7.6 | 28 | 05/16/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.9 | 05/20/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.7] | mg/Kg DWB | 20 | 1.1 | 3.9 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 72 | mg/Kg DWB | 1 | 0.18 | 0.36 | 05/14/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.62] | mg/Kg DWB | 5 | 0.18 | 0.64 | 05/15/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | [0.54] | mg/Kg DWB | 1 | 0.27 | 0.98 | 05/13/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 11000 | mg/Kg DWB | 10 | 55 | 110 | 05/15/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 23 | mg/Kg DWV | 1 | 0.55* | 1.9 | 05/17/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 04/29/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 23 | mg/Kg DWB | 1 | 0.55 | 1.9 | 05/13/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.9 | mg/Kg DWB | 1 | 0.51 | 1.8 | 05/14/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 18 | mg/Kg DWB | 1 | 0.21 | 0.80 | 05/13/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.32 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 18000 | mg/Kg DWB | 10 | 10 | 38 | 05/15/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 31 | mg/Kg DWB | 1 | 5.9 | 21 | 05/16/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 6400 | mg/Kg DWB | 10 | 55 | 110 | 05/15/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 330 | mg/Kg DWB | 1 | 0.12 | 0.36 | 05/14/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.094 | 0.33 | 05/09/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 17 | mg/Kg DWB | 1 | 1.3 | 4.6 | 05/13/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1500 | mg/Kg DWB | 1 | 13 | 48 | 05/12/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.4 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.53 | 1.9 | 05/16/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 230 | mg/Kg DWB | 1 | 1.2 | 4.4 | 05/12/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 84.4 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.8 | 05/23/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 32 | mg/Kg DWB | 1 | 0.32 | 1.2 | 05/14/05 | SW846 6010 | 721026460 |
| Zinc tot. recoverable as Zn by ICP | 58 | mg/Kg DWB | 1 | 0.24 | 0.73 | 05/13/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/29/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/04/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/04/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/28/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Project:** **Xcel RIFS/25688375**

**NLS Project: 88868**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Soil, NS-SOGP138-4-6 NLS ID: 368524**
Ref. Line 4 COC 76412 Soil, NS-SOGP138-4-6 Matrix: SO
Collected: 04/21/05 16:10 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 11000 | mg/Kg DWB | 1 | 7.1 | 26 | 05/16/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.9 | 05/20/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [3.1] | mg/Kg DWB | 20 | 1.1 | 3.9 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 69 | mg/Kg DWB | 1 | 0.17 | 0.34 | 05/14/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.78 | mg/Kg DWB | 5 | 0.17 | 0.59 | 05/15/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.25 | 0.92 | 05/13/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 13000 | mg/Kg DWB | 10 | 51 | 100 | 05/15/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 24 | mg/Kg DWV | 1 | 0.51* | 1.8 | 05/17/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 04/29/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 24 | mg/Kg DWB | 1 | 0.51 | 1.8 | 05/13/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.9 | mg/Kg DWB | 1 | 0.47 | 1.7 | 05/14/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 20 | mg/Kg DWB | 1 | 0.20 | 0.75 | 05/13/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.32 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 18000 | mg/Kg DWB | 10 | 9.5 | 35 | 05/15/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 26 | mg/Kg DWB | 1 | 5.5 | 20 | 05/16/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 6400 | mg/Kg DWB | 10 | 51 | 100 | 05/15/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 300 | mg/Kg DWB | 1 | 0.11 | 0.34 | 05/14/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.094 | 0.33 | 05/09/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 16 | mg/Kg DWB | 1 | 1.2 | 4.3 | 05/13/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1400 | mg/Kg DWB | 1 | 12 | 44 | 05/12/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.5 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.49 | 1.8 | 05/16/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 190 | mg/Kg DWB | 1 | 1.1 | 4.1 | 05/12/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 84.3 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.8 | 05/23/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 34 | mg/Kg DWB | 1 | 0.29 | 1.1 | 05/14/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 52 | mg/Kg DWB | 1 | 0.23 | 0.68 | 05/13/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/29/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/04/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/04/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/28/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: *URS Corporation (Milwaukee)*
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88868
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP138-10-12 NLS ID: 358525**
Ref. Line 5 COC 76412 Soil, NS-SOGP138-10-12 Matrix: SO
Collected: 04/21/05 16:20 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 20000 | mg/Kg DWB | 1 | 8.3 | 31 | 05/16/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.3 | 05/20/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.7] | mg/Kg DWB | 20 | 1.2 | 4.2 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 110 | mg/Kg DWB | 1 | 0.20 | 0.40 | 05/14/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 1.1 | mg/Kg DWB | 5 | 0.20 | 0.70 | 05/15/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.29 | 1.1 | 05/13/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 3800 | mg/Kg DWB | 10 | 60 | 120 | 05/15/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 35 | mg/Kg DWV | 1 | 0.60* | 2.1 | 05/17/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.31 | mg/Kg DWB | 2 | 0.18* | | 04/29/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 35 | mg/Kg DWB | 1 | 0.60 | 2.1 | 05/13/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 11 | mg/Kg DWB | 1 | 0.56 | 1.9 | 05/14/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 20 | mg/Kg DWB | 1 | 0.23 | 0.87 | 05/13/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.13 | 0.38 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 25000 | mg/Kg DWB | 10 | 11 | 41 | 05/15/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [19] | mg/Kg DWB | 1 | 6.4 | 23 | 05/16/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 7300 | mg/Kg DWB | 10 | 60 | 120 | 05/15/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 280 | mg/Kg DWB | 1 | 0.13 | 0.40 | 05/14/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.099 | 0.35 | 05/09/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 25 | mg/Kg DWB | 1 | 1.4 | 5.0 | 05/13/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2200 | mg/Kg DWB | 1 | 14 | 52 | 05/12/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.4 | 4.8 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.58 | 2.1 | 05/16/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 140 | mg/Kg DWB | 1 | 1.3 | 4.8 | 05/12/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 80.1 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.8 | 6.3 | 05/23/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 42 | mg/Kg DWB | 1 | 0.35 | 1.3 | 05/14/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 44 | mg/Kg DWB | 1 | 0.27 | 0.80 | 05/13/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/29/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/04/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/04/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/28/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88868**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

**Soil, NS-SQDup 06-0405 NLS ID: 368526**
Ref. Line 6 COC 76412 Soil, NS-SQDup 06-0405 Matrix: SO
Collected: 04/21/05 00:00 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 14000 | mg/Kg DWB | 1 | 7.6 | 28 | 05/16/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.4 | 05/20/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.1] | mg/Kg DWB | 20 | 0.98 | 3.5 | 05/23/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 100 | mg/Kg DWB | 1 | 0.18 | 0.36 | 05/14/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.66 | mg/Kg DWB | 5 | 0.18 | 0.64 | 05/15/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.27 | 0.98 | 05/13/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 3300 | mg/Kg DWB | 10 | 55 | 110 | 05/15/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 27 | mg/Kg DWV | 1 | 0.55* | 1.9 | 05/17/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.37 | mg/Kg DWB | 2 | 0.18* | | 04/29/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 27 | mg/Kg DWB | 1 | 0.55 | 1.9 | 05/13/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.8 | mg/Kg DWB | 1 | 0.51 | 1.8 | 05/14/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 17 | mg/Kg DWB | 1 | 0.21 | 0.80 | 05/13/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.36 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 21000 | mg/Kg DWB | 10 | 10 | 38 | 05/15/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [13] | mg/Kg DWB | 1 | 5.9 | 21 | 05/16/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 4400 | mg/Kg DWB | 10 | 55 | 110 | 05/15/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 250 | mg/Kg DWB | 1 | 0.12 | 0.36 | 05/14/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.094 | 0.33 | 05/09/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 18 | mg/Kg DWB | 1 | 1.3 | 4.6 | 05/13/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1300 | mg/Kg DWB | 1 | 13 | 48 | 05/12/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.0 | 05/25/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | [0.87] | mg/Kg DWB | 1 | 0.53 | 1.9 | 05/16/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 140 | mg/Kg DWB | 1 | 1.2 | 4.4 | 05/12/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 84.1 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.2 | 05/23/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 32 | mg/Kg DWB | 1 | 0.32 | 1.2 | 05/14/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 34 | mg/Kg DWB | 1 | 0.24 | 0.73 | 05/13/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/25/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 04/29/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/04/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/04/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/28/05 | SW846 3550B | 721026460 |

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88868**

**Project Description: Xcel RIFS 25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/27/2005 14:09**

**Sample: 368502** **Soil, NS-SOGP128-1-3** **Collected: 04/21/05** **Analyzed: 05/03/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 5 | 160 | 540 |
| Acenaphthylene | [220] | ug/Kg | 5 | 150 | 510 |
| Anthracene | ND | ug/Kg | 5 | 190 | 640 |
| Benzo[a]anthracene | 740 | ug/Kg | 5 | 170 | 570 |
| Benzo[a]pyrene | 880 | ug/Kg | 5 | 170 | 570 |
| Benzo[b]fluoranthene | 1200 | ug/Kg | 5 | 190 | 630 |
| Benzo[g,h,i]perylene | [390] | ug/Kg | 5 | 160 | 540 |
| Benzo[k]fluoranthene | [370] | ug/Kg | 5 | 190 | 640 |
| Chrysene | 910 | ug/Kg | 5 | 180 | 590 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 5 | 170 | 570 |
| Dibenzofuran | ND | ug/Kg | 5 | 160 | 530 |
| Fluoranthene | 930 | ug/Kg | 5 | 190 | 620 |
| Fluorene | ND | ug/Kg | 5 | 160 | 540 |
| Indeno[1,2,3-cd]pyrene | [230] | ug/Kg | 5 | 160 | 520 |
| 1-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 530 |
| 2-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 520 |
| 2-Methylphenol | ND | ug/Kg | 5 | 130 | 430 |
| 3 & 4-Methylphenol | ND | ug/Kg | 5 | 270 | 960 |
| Naphthalene | ND | ug/Kg | 5 | 150 | 510 |
| Phenanthrene | [480] | ug/Kg | 5 | 180 | 610 |
| Phenol | ND | ug/Kg | 5 | 140 | 470 |
| Pyrene | 1500 | ug/Kg | 5 | 180 | 590 |
| Benzo[e]pyrene | 740 | ug/Kg | 5 | 190 | 640 |
| 2-Fluorophenol (SURR**) | 76% | | | | |
| Phenol-d5 (SURR**) | 82% | | | | |
| Nitrobenzene-d5 (SURR**) | 78% | | | | |
| 2-Fluorobiphenyl (SURR**) | 83% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 81% | | | | |
| Terphenyl-d14 (SURR**) | 101% | | | | |

5 mL final extract volume.

Sample was diluted due to non-target compounds.

Reanalysis at a lower dilution is not possible due to sample matrix.

Laboratory control spike, laboratory control spike duplicate, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88868**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 05/27/2005 14:09**

**Sample: 368503** **Soil, NS-SOGP128-4-6** **Collected: 04/21/05** **Analyzed: 05/03/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 31000 | ug/Kg | 100 | 3200 | 11000 |
| Acenaphthylene | [5200] | ug/Kg | 100 | 3100 | 10000 |
| Anthracene | 15000 | ug/Kg | 100 | 3800 | 13000 |
| Benzo[a]anthracene | [9100] | ug/Kg | 100 | 3400 | 11000 |
| Benzo[a]pyrene | [6800] | ug/Kg | 100 | 3400 | 11000 |
| Benzo[b]fluoranthene | [6400] | ug/Kg | 100 | 3800 | 13000 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 100 | 3300 | 11000 |
| Benzo[k]fluoranthene | ND | ug/Kg | 100 | 3800 | 13000 |
| Chrysene | [8800] | ug/Kg | 100 | 3600 | 12000 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 100 | 3400 | 11000 |
| Dibenzofuran | [6500] | ug/Kg | 100 | 3200 | 11000 |
| Fluoranthene | 17000 | ug/Kg | 100 | 3700 | 12000 |
| Fluorene | 21000 | ug/Kg | 100 | 3200 | 11000 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 100 | 3100 | 10000 |
| 1-Methylnaphthalene | 110000 | ug/Kg | 100 | 3200 | 11000 |
| 2-Methylnaphthalene | 140000 | ug/Kg | 100 | 3100 | 10000 |
| 2-Methylphenol | ND | ug/Kg | 100 | 2600 | 8700 |
| 3 & 4-Methylphenol | ND | ug/Kg | 100 | 5500 | 19000 |
| Naphthalene | 100000 | ug/Kg | 100 | 3100 | 10000 |
| Phenanthrene | 66000 | ug/Kg | 100 | 3700 | 12000 |
| Phenol | ND | ug/Kg | 100 | 2800 | 9400 |
| Pyrene | 25000 | ug/Kg | 100 | 3600 | 12000 |
| Benzo[e]pyrene | [4200] | ug/Kg | 100 | 3800 | 13000 |
| 2-Fluorophenol (SURR**) | 74% | | | | |
| Phenol-d5 (SURR**) | 74% | | | | |
| Nitrobenzene-d5 (SURR**) | 103% | | | | |
| 2-Fluorobiphenyl (SURR**) | 97% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 41% | | | | |
| Terphenyl-d14 (SURR**) | 86% | | | | |

10 mL final extract volume.
Laboratory control spike, laboratory control spike duplicate, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88868**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 05/27/2005 14:09**

**Sample: 368504** **Soil, NS-SOGP1 28-10-12** **Collected: 04/21/05** **Analyzed: 05/03/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 61% | | | | |
| Phenol-d5 (SURR**) | 62% | | | | |
| Nitrobenzene-d5 (SURR**) | 60% | | | | |
| 2-Fluorobiphenyl (SURR**) | 68% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 73% | | | | |
| Terphenyl-d14 (SURR**) | 81% | | | | |

Laboratory control spike, laboratory control spike duplicate, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88868**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 05/27/2005 14:09**

**Sample: 368505** **Soil, NS-SOGP131-0-2** **Collected: 04/21/05** **Analyzed: 05/03/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 5 | 160 | 540 |
| Acenaphthylene | [310] | ug/Kg | 5 | 150 | 510 |
| Anthracene | ND | ug/Kg | 5 | 190 | 640 |
| Benzo[a]anthracene | 1300 | ug/Kg | 5 | 170 | 570 |
| Benzo[a]pyrene | 2100 | ug/Kg | 5 | 170 | 570 |
| Benzo[b]fluoranthene | 2500 | ug/Kg | 5 | 190 | 630 |
| Benzo[g,h,i]perylene | 1000 | ug/Kg | 5 | 160 | 540 |
| Benzo[k]fluoranthene | 810 | ug/Kg | 5 | 190 | 640 |
| Chrysene | 1600 | ug/Kg | 5 | 180 | 590 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 5 | 170 | 570 |
| Dibenzofuran | ND | ug/Kg | 5 | 160 | 530 |
| Fluoranthene | 1600 | ug/Kg | 5 | 190 | 620 |
| Fluorene | ND | ug/Kg | 5 | 160 | 540 |
| Indeno[1,2,3-cd]pyrene | 540 | ug/Kg | 5 | 160 | 520 |
| 1-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 530 |
| 2-Methylnaphthalene | [210] | ug/Kg | 5 | 160 | 520 |
| 2-Methylphenol | ND | ug/Kg | 5 | 130 | 430 |
| 3 & 4-Methylphenol | ND | ug/Kg | 5 | 270 | 960 |
| Naphthalene | [240] | ug/Kg | 5 | 150 | 510 |
| Phenanthrene | [580] | ug/Kg | 5 | 180 | 610 |
| Phenol | ND | ug/Kg | 5 | 140 | 470 |
| Pyrene | 2800 | ug/Kg | 5 | 180 | 590 |
| Benzo[e]pyrene | 1800 | ug/Kg | 5 | 190 | 640 |
| 2-Fluorophenol (SURR**) | 70% | | | | |
| Phenol-d5 (SURR**) | 73% | | | | |
| Nitrobenzene-d5 (SURR**) | 72% | | | | |
| 2-Fluorobiphenyl (SURR**) | 78% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 76% | | | | |
| Terphenyl-d14 (SURR**) | 90% | | | | |

5 mL final extract volume.
Laboratory control spike, laboratory control spike duplicate, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88868**

**Project Description: Xcel RIFS 25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/27/2005 14:09**

**Sample: 368506** **Soil, NS-SOGP131-6-8** **Collected: 04/21/05** **Analyzed: 05/03/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 6200 | ug/Kg | 20 | 650 | 2200 |
| Acenaphthylene | [850] | ug/Kg | 20 | 610 | 2000 |
| Anthracene | 2700 | ug/Kg | 20 | 770 | 2600 |
| Benzo[a]anthracene | [1800] | ug/Kg | 20 | 680 | 2300 |
| Benzo[a]pyrene | [1700] | ug/Kg | 20 | 680 | 2300 |
| Benzo[b]fluoranthene | [1700] | ug/Kg | 20 | 750 | 2500 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 20 | 650 | 2200 |
| Benzo[k]fluoranthene | ND | ug/Kg | 20 | 760 | 2500 |
| Chrysene | [1700] | ug/Kg | 20 | 710 | 2400 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 20 | 680 | 2300 |
| Dibenzofuran | [870] | ug/Kg | 20 | 630 | 2100 |
| Fluoranthene | 3300 | ug/Kg | 20 | 750 | 2500 |
| Fluorene | 3200 | ug/Kg | 20 | 650 | 2200 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 20 | 620 | 2100 |
| 1-Methylnaphthalene | 15000 | ug/Kg | 20 | 630 | 2100 |
| 2-Methylnaphthalene | 22000 | ug/Kg | 20 | 620 | 2100 |
| 2-Methylphenol | ND | ug/Kg | 20 | 520 | 1700 |
| 3 & 4-Methylphenol | ND | ug/Kg | 20 | 1100 | 3900 |
| Naphthalene | 28000 | ug/Kg | 20 | 610 | 2000 |
| Phenanthrene | 10000 | ug/Kg | 20 | 730 | 2400 |
| Phenol | ND | ug/Kg | 20 | 560 | 1900 |
| Pyrene | 4800 | ug/Kg | 20 | 710 | 2400 |
| Benzo[e]pyrene | [1100] | ug/Kg | 20 | 760 | 2500 |
| 2-Fluorophenol (SURR**) | 72% | | | | |
| Phenol-d5 (SURR**) | 74% | | | | |
| Nitrobenzene-d5 (SURR**) | 70% | | | | |
| 2-Fluorobiphenyl (SURR**) | 80% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 54% | | | | |
| Terphenyl-d14 (SURR**) | 86% | | | | |

10 mL final extract volume.

Laboratory control spike, laboratory control spike duplicate, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88868**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/27/2005 14:09**

**Sample: 368507** **Soil, NS-SOGP131-10-12** **Collected: 04/21/05** **Analyzed: 05/04/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [85] | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | [98] | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | [58] | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | [41] | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | [51] | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | [37] | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | [110] | ug/Kg | 1 | 37 | 120 |
| Fluorene | 110 | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | 450 | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | 660 | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | 570 | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | 380 | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | 150 | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 52% | | | | |
| Phenol-d5 (SURR**) | 56% | | | | |
| Nitrobenzene-d5 (SURR**) | 62% | | | | |
| 2-Fluorobiphenyl (SURR**) | 68% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 63% | | | | |
| Terphenyl-d14 (SURR**) | 85% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88868**
**Project Description: Xcel RIFS 25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 05/27/2005 14:09**

**Sample: 368508** **Soil, NS-SOGP134-1-3** **Collected: 04/21/05** **Analyzed: 05/04/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 10 | 320 | 1100 |
| Acenaphthylene | [380] | ug/Kg | 10 | 310 | 1000 |
| Anthracene | ND | ug/Kg | 10 | 380 | 1300 |
| Benzo[a]anthracene | [960] | ug/Kg | 10 | 340 | 1100 |
| Benzo[a]pyrene | 1400 | ug/Kg | 10 | 340 | 1100 |
| Benzo[b]fluoranthene | 1900 | ug/Kg | 10 | 380 | 1300 |
| Benzo[g,h,i]perylene | [690] | ug/Kg | 10 | 330 | 1100 |
| Benzo[k]fluoranthene | [580] | ug/Kg | 10 | 380 | 1300 |
| Chrysene | 1200 | ug/Kg | 10 | 360 | 1200 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 10 | 340 | 1100 |
| Dibenzofuran | ND | ug/Kg | 10 | 320 | 1100 |
| Fluoranthene | [1000] | ug/Kg | 10 | 370 | 1200 |
| Fluorene | ND | ug/Kg | 10 | 320 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 10 | 310 | 1000 |
| 1-Methylnaphthalene | ND | ug/Kg | 10 | 320 | 1100 |
| 2-Methylnaphthalene | ND | ug/Kg | 10 | 310 | 1000 |
| 2-Methylphenol | ND | ug/Kg | 10 | 260 | 870 |
| 3 & 4-Methylphenol | ND | ug/Kg | 10 | 550 | 1900 |
| Naphthalene | ND | ug/Kg | 10 | 310 | 1000 |
| Phenanthrene | [520] | ug/Kg | 10 | 370 | 1200 |
| Phenol | ND | ug/Kg | 10 | 280 | 940 |
| Pyrene | 1800 | ug/Kg | 10 | 360 | 1200 |
| Benzo[e]pyrene | 1400 | ug/Kg | 10 | 380 | 1300 |
| 2-Fluorophenol (SURR**) | 64% | | | | |
| Phenol-d5 (SURR**) | 67% | | | | |
| Nitrobenzene-d5 (SURR**) | 66% | | | | |
| 2-Fluorobiphenyl (SURR**) | 71% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 62% | | | | |
| Terphenyl-d14 (SURR**) | 89% | | | | |

10 mL final extract volume.
Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.
Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88868**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/27/2005 14:09**

**Sample: 368509** **Soil, NS-SOGP134-10-12** **Collected: 04/21/05** **Analyzed: 05/04/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 1400 | ug/Kg | 10 | 320 | 1100 |
| Acenaphthylene | ND | ug/Kg | 10 | 310 | 1000 |
| Anthracene | ND | ug/Kg | 10 | 380 | 1300 |
| Benzo[a]anthracene | ND | ug/Kg | 10 | 340 | 1100 |
| Benzo[a]pyrene | ND | ug/Kg | 10 | 340 | 1100 |
| Benzo[b]fluoranthene | ND | ug/Kg | 10 | 380 | 1300 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 10 | 330 | 1100 |
| Benzo[k]fluoranthene | ND | ug/Kg | 10 | 380 | 1300 |
| Chrysene | ND | ug/Kg | 10 | 360 | 1200 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 10 | 340 | 1100 |
| Dibenzofuran | ND | ug/Kg | 10 | 320 | 1100 |
| Fluoranthene | ND | ug/Kg | 10 | 370 | 1200 |
| Fluorene | 1800 | ug/Kg | 10 | 320 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 10 | 310 | 1000 |
| 1-Methylnaphthalene | 7000 | ug/Kg | 10 | 320 | 1100 |
| 2-Methylnaphthalene | 16000 | ug/Kg | 10 | 310 | 1000 |
| 2-Methylphenol | ND | ug/Kg | 10 | 260 | 870 |
| 3 & 4-Methylphenol | ND | ug/Kg | 10 | 550 | 1900 |
| Naphthalene | 20000 | ug/Kg | 10 | 310 | 1000 |
| Phenanthrene | 4300 | ug/Kg | 10 | 370 | 1200 |
| Phenol | ND | ug/Kg | 10 | 280 | 940 |
| Pyrene | ND | ug/Kg | 10 | 360 | 1200 |
| Benzo[e]pyrene | ND | ug/Kg | 10 | 380 | 1300 |
| 2-Fluorophenol (SURR**) | 71% | | | | |
| Phenol-d5 (SURR**) | 71% | | | | |
| Nitrobenzene-d5 (SURR**) | 74% | | | | |
| 2-Fluorobiphenyl (SURR**) | 63% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 63% | | | | |
| Terphenyl-d14 (SURR**) | 78% | | | | |

10 mL final extract volume.

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88868**
**Project Description: Xcel RIFS 25688375**
***Project Title:*** ***Template: 8270SNSP*** ***Printed: 05/27/2005 14:09***

**Sample: 368510** **Soil, NS-SOGP134-14-16** **Collected: 04/21/05** **Analyzed: 05/04/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | [61] | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | [51] | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | [67] | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 66% | | | | |
| Phenol-d5 (SURR**) | 67% | | | | |
| Nitrobenzene-d5 (SURR**) | 67% | | | | |
| 2-Fluorobiphenyl (SURR**) | 69% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 76% | | | | |
| Terphenyl-d14 (SURR**) | 84% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88868**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 05/27/2005 14:09**

***Sample: 368521*** ***Soil, NS-SOGP137-0-2*** ***Collected: 04/21/05*** ***Analyzed: 05/04/05 -***

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 50 | 1600 | 5400 |
| Acenaphthylene | ND | ug/Kg | 50 | 1500 | 5100 |
| Anthracene | ND | ug/Kg | 50 | 1900 | 6400 |
| Benzo[a]anthracene | [2300] | ug/Kg | 50 | 1700 | 5700 |
| Benzo[a]pyrene | [4900] | ug/Kg | 50 | 1700 | 5700 |
| Benzo[b]fluoranthene | [5300] | ug/Kg | 50 | 1900 | 6300 |
| Benzo[g,h,i]perylene | [4100] | ug/Kg | 50 | 1600 | 5400 |
| Benzo[k]fluoranthene | ND | ug/Kg | 50 | 1900 | 6400 |
| Chrysene | [3500] | ug/Kg | 50 | 1800 | 5900 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 50 | 1700 | 5700 |
| Dibenzofuran | ND | ug/Kg | 50 | 1600 | 5300 |
| Fluoranthene | [3400] | ug/Kg | 50 | 1900 | 6200 |
| Fluorene | ND | ug/Kg | 50 | 1600 | 5400 |
| Indeno[1,2,3-cd]pyrene | [2600] | ug/Kg | 50 | 1600 | 5200 |
| 1-Methylnaphthalene | ND | ug/Kg | 50 | 1600 | 5300 |
| 2-Methylnaphthalene | ND | ug/Kg | 50 | 1600 | 5200 |
| 2-Methylphenol | ND | ug/Kg | 50 | 1300 | 4300 |
| 3 & 4-Methylphenol | ND | ug/Kg | 50 | 2700 | 9600 |
| Naphthalene | ND | ug/Kg | 50 | 1500 | 5100 |
| Phenanthrene | [2500] | ug/Kg | 50 | 1800 | 6100 |
| Phenol | ND | ug/Kg | 50 | 1400 | 4700 |
| Pyrene | 6800 | ug/Kg | 50 | 1800 | 5900 |
| Benzo[e]pyrene | [5200] | ug/Kg | 50 | 1900 | 6400 |
| 2-Fluorophenol (SURR**) | 66% | | | | |
| Phenol-d5 (SURR**) | 69% | | | | |
| Nitrobenzene-d5 (SURR**) | 91% | | | | |
| 2-Fluorobiphenyl (SURR**) | 79% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 56% | | | | |
| Terphenyl-d14 (SURR**) | 88% | | | | |

10 mL final extract volume.
Sample was diluted due to non-target compounds.
Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

Customer: URS Corporation (Milwaukee) NLS Project: 88868
Project Description: Xcel RIFS/25688375
Project Title: Template: 8270SNSP Printed: 05/27/2005 14:09

**Sample: 368522** **Soil, NS-SOGP137-14-16** **Collected: 04/21/05** **Analyzed: 05/04/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | 150 | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | 140 | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | 170 | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | [51] | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | [58] | ug/Kg | 1 | 38 | 130 |
| Chrysene | 150 | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | 270 | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | [40] | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | [57] | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | 140 | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | 280 | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | [93] | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 53% | | | | |
| Phenol-d5 (SURR**) | 58% | | | | |
| Nitrobenzene-d5 (SURR**) | 59% | | | | |
| 2-Fluorobiphenyl (SURR**) | 63% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 70% | | | | |
| Terphenyl-d14 (SURR**) | 79% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88868**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/27/2005 14:09**

**Sample: 368523** **Soil, NS-SOGP138-1-3** **Collected: 04/21/05** **Analyzed: 05/04/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 61% | | | | |
| Phenol-d5 (SURR**) | 64% | | | | |
| Nitrobenzene-d5 (SURR**) | 61% | | | | |
| 2-Fluorobiphenyl (SURR**) | 67% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 75% | | | | |
| Terphenyl-d14 (SURR**) | 81% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88868**
**Project Description: Xcel RIFS 25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 05/27/2005 14:09**

**Sample: 368524** **Soil, NS-SOGP138-4-6** **Collected: 04/21/05** **Analyzed: 05/04/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 58% | | | | |
| Phenol-d5 (SURR**) | 59% | | | | |
| Nitrobenzene-d5 (SURR**) | 59% | | | | |
| 2-Fluorobiphenyl (SURR**) | 63% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 69% | | | | |
| Terphenyl-d14 (SURR**) | 77% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88868**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 05/27/2005 14:09**

**Sample: 368525** **Soil, NS-SOGP138-10-12** **Collected: 04/21/05** **Analyzed: 05/04/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | [38] | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 62% | | | | |
| Phenol-d5 (SURR**) | 64% | | | | |
| Nitrobenzene-d5 (SURR**) | 63% | | | | |
| 2-Fluorobiphenyl (SURR**) | 70% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 76% | | | | |
| Terphenyl-d14 (SURR**) | 80% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88868**

**Project Description: Xcel RIFS 25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 05/27/2005 14:09**

**Sample: 368526** **Soil, NS-SQDup 06-0405** **Collected: 04/21/05** **Analyzed: 05/04/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 58% | | | | |
| Phenol-d5 (SURR**) | 60% | | | | |
| Nitrobenzene-d5 (SURR**) | 58% | | | | |
| 2-Fluorobiphenyl (SURR**) | 60% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 69% | | | | |
| Terphenyl-d14 (SURR**) | 79% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

** Surrogates are used to evaluate a method's Quality Control.

# ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88868**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: SAT2SNSP** **Printed: 05/27/2005 14:06**

**Sample: 368502** **Soil, NS-SOGP128-1-3** **Collected: 04/21/05** **Analyzed: 05/03/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [21] | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | [25] | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | 58 | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 99 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | [45] | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | [83] | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 104% | | | | |
| Toluene-d8 (SURR**) | 118% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 107% | | | | |

**Sample: 368503** **Soil, NS-SOGP128-4-6** **Collected: 04/21/05** **Analyzed: 05/03/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [650] | ug/kg | 20 | 300 | 1000 |
| sec-Butylbenzene | ND | ug/kg | 20 | 390 | 1300 |
| Ethylbenzene | 6600 | ug/kg | 20 | 310 | 1000 |
| ortho-Xylene | 3500 | ug/kg | 20 | 250 | 850 |
| Styrene | ND | ug/kg | 20 | 350 | 1200 |
| Toluene | 1100 | ug/kg | 20 | 210 | 670 |
| 1,2,4-Trimethylbenzene | 18000 | ug/kg | 20 | 290 | 980 |
| 1,3,5-Trimethylbenzene | 5100 | ug/kg | 20 | 330 | 1100 |
| meta,para-Xylene | 3100 | ug/kg | 20 | 500 | 1800 |
| 1,2,3-Trimethylbenzene | 6200 | ug/kg | 20 | 380 | 1300 |
| Dibromofluoromethane (SURR**) | 104% | | | | |
| Toluene-d8 (SURR**) | 116% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 108% | | | | |

Sample diluted due to high level of Naphthalene.

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88868**
**Project Description: Xcel RIFS 25688375**
**Project Title:** **Template: SAT2SNSP** **Printed: 05/27/2005 14:06**

**Sample: 368504** **Soil, NS-SOGP128-10-12** **Collected: 04/21/05** **Analyzed: 05/03/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 105% | | | | |
| Toluene-d8 (SURR**) | 109% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 105% | | | | |

**Sample: 368505** **Soil, NS-SOGP131-0-2** **Collected: 04/21/05** **Analyzed: 05/03/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [39] | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | [51] | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | 110 | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 140 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | 74 | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | 150 | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 112% | | | | |
| Toluene-d8 (SURR**) | 124% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 112% | | | | |

**Sample: 368506** **Soil, NS-SOGP131-6-8** **Collected: 04/21/05** **Analyzed: 05/03/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 2800 | ug/kg | 4 | 61 | 200 |
| sec-Butylbenzene | ND | ug/kg | 4 | 77 | 260 |
| Ethylbenzene | 8900 | ug/kg | 4 | 62 | 210 |
| ortho-Xylene | 3800 | ug/kg | 4 | 51 | 170 |
| Styrene | ND | ug/kg | 4 | 69 | 230 |
| Toluene | 550 | ug/kg | 4 | 42 | 130 |
| 1,2,4-Trimethylbenzene | 4900 | ug/kg | 4 | 59 | 200 |
| 1,3,5-Trimethylbenzene | 1300 | ug/kg | 4 | 66 | 220 |
| meta,para-Xylene | 7500 | ug/kg | 4 | 100 | 360 |
| 1,2,3-Trimethylbenzene | 1700 | ug/kg | 4 | 76 | 250 |
| Dibromofluoromethane (SURR**) | 99% | | | | |
| Toluene-d8 (SURR**) | 110% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 104% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88868**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 05/27/2005 14:06**

**Sample: 368507** **Soil, NS-SOGP131-10-12** **Collected: 04/21/05** **Analyzed: 05/03/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [42] | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | 110 | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | 64 | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [12] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | 200 | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | [51] | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | 110 | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 107% | | | | |
| Toluene-d8 (SURR**) | 116% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 103% | | | | |

Sample collection weight exceeded 35 grams.

**Sample: 368508** **Soil, NS-SOGP134-1-3** **Collected: 04/21/05** **Analyzed: 05/03/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | [17] | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [23] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | [23] | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 104% | | | | |
| Toluene-d8 (SURR**) | 116% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

Customer: URS Corporation (Milwaukee) NLS Project: 88868
Project Description: Xcel RIFS 25688375
Project Title: Template: SAT2SNSP Printed: 05/27/2005 14:06

**Sample: 368509 Soil, NS-SOGP134-10-12** Collected: 04/21/05 Analyzed: 05/03/04 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 5500 | ug/kg | 2 | 30 | 100 |
| sec-Butylbenzene | ND | ug/kg | 2 | 39 | 130 |
| Ethylbenzene | 5400 | ug/kg | 2 | 31 | 100 |
| ortho-Xylene | 2100 | ug/kg | 2 | 25 | 85 |
| Styrene | ND | ug/kg | 2 | 35 | 120 |
| Toluene | 91 | ug/kg | 2 | 21 | 67 |
| 1,2,4-Trimethylbenzene | 1600 | ug/kg | 2 | 29 | 98 |
| 1,3,5-Trimethylbenzene | 540 | ug/kg | 2 | 33 | 110 |
| meta,para-Xylene | 2900 | ug/kg | 2 | 50 | 180 |
| 1,2,3-Trimethylbenzene | 650 | ug/kg | 2 | 38 | 130 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 119% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 108% | | | | |

**Sample: 368510 Soil, NS-SOGP134-14-16** Collected: 04/21/05 Analyzed: 05/03/04 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [39] | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | 73 | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | [31] | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 91 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | 88 | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | [24] | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | [40] | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 105% | | | | |
| Toluene-d8 (SURR**) | 118% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 111% | | | | |

**Sample: 368511 Soil, SQMeoHBlank 4-0405** Collected: 04/21/05 Analyzed: 05/03/04 -

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [12] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 98% | | | | |
| Toluene-d8 (SURR**) | 110% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88868**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: SAT2SNSP** **Printed: 05/27/2005 14:06**

**Sample: 368521** **Soil, NS-SOGP137-0-2** **Collected: 04/21/05** **Analyzed: 05/03/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 4 | 61 | 200 |
| sec-Butylbenzene | ND | ug/kg | 4 | 77 | 260 |
| Ethylbenzene | 310 | ug/kg | 4 | 62 | 210 |
| ortho-Xylene | [77] | ug/kg | 4 | 51 | 170 |
| Styrene | ND | ug/kg | 4 | 69 | 230 |
| Toluene | [86] | ug/kg | 4 | 42 | 130 |
| 1,2,4-Trimethylbenzene | [180] | ug/kg | 4 | 59 | 200 |
| 1,3,5-Trimethylbenzene | 450 | ug/kg | 4 | 66 | 220 |
| meta,para-Xylene | ND | ug/kg | 4 | 100 | 360 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 4 | 76 | 250 |
| Dibromofluoromethane (SURR**) | 108% | | | | |
| Toluene-d8 (SURR**) | 114% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 114% | | | | |

**Sample: 368522** **Soil, NS-SOGP137-14-16** **Collected: 04/21/05** **Analyzed: 05/04/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 4500 | ug/kg | 2 | 30 | 100 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | 300 | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | 180 | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 80 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | 62 | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | [30] | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | 250 | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 111% | | | | |
| Toluene-d8 (SURR**) | 118% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 109% | | | | |

**Sample: 368523** **Soil, NS-SOGP138-1-3** **Collected: 04/21/05** **Analyzed: 05/04/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 104% | | | | |
| Toluene-d8 (SURR**) | 118% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 112% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88868**

**Project Description: Xcel RIFS 25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 05/27/2005 14:06**

**Sample: 368524** **Soil, NS-SOGP138-4-6** **Collected: 04/21/05** **Analyzed: 05/04/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 670 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 105% | | | | |
| Toluene-d8 (SURR**) | 115% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 105% | | | | |

**Sample: 368525** **Soil, NS-SOGP138-10-12** **Collected: 04/21/05** **Analyzed: 05/04/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 2200 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 101% | | | | |
| Toluene-d8 (SURR**) | 110% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

**Sample: 368526** **Soil, NS-SQDup 06-0405** **Collected: 04/21/05** **Analyzed: 05/04/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 720 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 107% | | | | |
| Toluene-d8 (SURR**) | 118% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 108% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034

Printed: 06/06/05 Code: S Page 1 of 12

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88872
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP139-0-2 NLS ID: 368527**
Ref. Line 7 COC 76412(C) Soil, NS-SOGP139-0-2 Matrix: SO
Collected: 04/22/05 08:00 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 8400 | mg/Kg DWB | 1 | 7.6 | 28 | 05/27/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 5.0 | 06/02/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.8] | mg/Kg DWB | 20 | 1.1 | 3.9 | 05/31/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 100 | mg/Kg DWB | 1 | 0.18 | 0.36 | 05/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot recoverable as Be by ICP | [0.59] | mg/Kg DWB | 5 | 0.18 | 0.63 | 05/30/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | [0.51] | mg/Kg DWB | 1 | 0.27 | 0.97 | 05/25/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 19000 | mg/Kg DWB | 10 | 54 | 110 | 05/29/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 18 | mg/Kg DWB | 1 | 0.54* | 1.9 | 05/31/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 05/02/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 18 | mg/Kg DWB | 1 | 0.54 | 1.9 | 05/25/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.0 | mg/Kg DWB | 1 | 0.50 | 1.8 | 05/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 51 | mg/Kg DWB | 1 | 0.21 | 0.79 | 05/25/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.35 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 17000 | mg/Kg DWB | 10 | 10 | 37 | 05/29/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 68 | mg/Kg DWB | 1 | 5.8 | 21 | 05/27/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 5500 | mg/Kg DWB | 10 | 54 | 110 | 05/29/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 320 | mg/Kg DWB | 1 | 0.12 | 0.36 | 05/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | 1.1 | mg/Kg DWB | 1 | 0.092 | 0.32 | 05/09/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 16 | mg/Kg DWB | 1 | 1.3 | 4.6 | 05/25/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1000 | mg/Kg DWB | 1 | 13 | 47 | 05/28/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.5 | 05/31/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | [0.61] | mg/Kg DWB | 1 | 0.52 | 1.9 | 05/25/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 120 | mg/Kg DWB | 1 | 1.2 | 4.3 | 05/28/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 86.2 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.7 | 5.9 | 06/01/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 35 | mg/Kg DWB | 1 | 0.31 | 1.2 | 05/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 130 | mg/Kg DWB | 1 | 0.24 | 0.72 | 05/25/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/02/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/06/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/05/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/29/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 88872
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP139-10-12 NLS ID: 368528**
Ref. Line 8 COC 76412(C) Soil, NS-SOGP139-10-12 Matrix: SO
Collected: 04/22/05 08:15 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 2400 | mg/Kg DWB | 1 | 6.7 | 25 | 05/27/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [1.3] | mg/Kg DWB | 20 | 1.1 | 3.8 | 06/02/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [0.94] | mg/Kg DWB | 20 | 0.85 | 3.0 | 05/31/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 10 | mg/Kg DWB | 1 | 0.16 | 0.32 | 05/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 2.0 | mg/Kg DWB | 2 | 0.063 | 0.22 | 05/30/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.23 | 0.86 | 05/25/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 1700 | mg/Kg DWB | 10 | 48 | 95 | 05/29/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 7.7 | mg/Kg DWB | 1 | 0.48* | 1.7 | 05/31/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 05/02/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 7.7 | mg/Kg DWB | 1 | 0.48 | 1.7 | 05/25/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 2.6 | mg/Kg DWB | 1 | 0.44 | 1.6 | 05/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 3.2 | mg/Kg DWB | 1 | 0.19 | 0.70 | 05/25/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.34 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 6600 | mg/Kg DWB | 10 | 8.9 | 33 | 05/29/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.1 | 19 | 05/27/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 1300 | mg/Kg DWB | 10 | 48 | 95 | 05/29/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 66 | mg/Kg DWB | 1 | 0.10 | 0.32 | 05/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.094 | 0.33 | 05/09/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 4.7 | mg/Kg DWB | 1 | 1.1 | 4.0 | 05/25/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 260 | mg/Kg DWB | 1 | 11 | 42 | 05/28/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.0 | 3.5 | 05/31/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.46 | 1.6 | 05/25/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 42 | mg/Kg DWB | 1 | 1.0 | 3.8 | 05/28/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 84.4 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.5 | 06/01/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 17 | mg/Kg DWB | 1 | 0.28 | 1.0 | 05/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 11 | mg/Kg DWB | 1 | 0.21 | 0.63 | 05/25/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/02/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/06/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/05/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/29/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88872
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP140-1-3 NLS ID: 368529**
Ref. Line 9 COC 76412(C) Soil, NS-SOGP140-1-3 Matrix: SO
Collected: 04/22/05 08:35 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 8700 | mg/Kg DWB | 1 | 6.4 | 24 | 05/27/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 4.0 | 06/02/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.8] | mg/Kg DWB | 20 | 0.90 | 3.2 | 05/31/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 72 | mg/Kg DWB | 1 | 0.15 | 0.31 | 05/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.35] | mg/Kg DWB | 5 | 0.15 | 0.53 | 05/30/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.23 | 0.82 | 05/25/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 34000 | mg/Kg DWB | 10 | 46 | 92 | 05/29/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 16 | mg/Kg DWB | 1 | 0.46* | 1.6 | 05/31/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.16* | | 05/02/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 16 | mg/Kg DWB | 1 | 0.46 | 1.6 | 05/25/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 5.7 | mg/Kg DWB | 1 | 0.43 | 1.5 | 05/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 37 | mg/Kg DWB | 1 | 0.18 | 0.67 | 05/25/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.34 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 15000 | mg/Kg DWB | 10 | 8.6 | 32 | 05/29/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 42 | mg/Kg DWB | 1 | 4.9 | 18 | 05/27/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 4300 | mg/Kg DWB | 10 | 46 | 92 | 05/29/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 240 | mg/Kg DWB | 1 | 0.10 | 0.31 | 05/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | 0.37 | mg/Kg DWB | 1 | 0.087 | 0.31 | 05/09/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 17 | mg/Kg DWB | 1 | 1.1 | 3.9 | 05/25/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 930 | mg/Kg DWB | 1 | 11 | 40 | 05/28/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.1 | 3.7 | 05/31/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.44 | 1.6 | 05/25/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 170 | mg/Kg DWB | 1 | 1.0 | 3.7 | 05/28/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 90.6 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.8 | 06/01/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 37 | mg/Kg DWB | 1 | 0.27 | 0.98 | 05/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 63 | mg/Kg DWB | 1 | 0.20 | 0.61 | 05/25/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/02/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/06/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/05/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/29/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 88872
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RIFS/25688375

**Soil, NS-SOGP140-10-12 NLS ID: 368530**
Ref. Line 10 COC 76412(C) Soil, NS-SOGP140-10-12 Matrix: SO
Collected: 04/22/05 08:50 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 20000 | mg/Kg DWB | 1 | 8.5 | 32 | 05/27/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.6 | 06/02/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.9] | mg/Kg DWB | 20 | 1.2 | 4.4 | 05/31/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 130 | mg/Kg DWB | 1 | 0.20 | 0.40 | 05/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 1.1 | mg/Kg DWB | 5 | 0.20 | 0.71 | 05/30/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.30 | 1.1 | 05/25/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 29000 | mg/Kg DWB | 10 | 61 | 120 | 05/29/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 33 | mg/Kg DWB | 1 | 0.61* | 2.1 | 05/31/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.20* | | 05/02/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 33 | mg/Kg DWB | 1 | 0.61 | 2.1 | 05/25/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 10 | mg/Kg DWB | 1 | 0.57 | 2.0 | 05/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 24 | mg/Kg DWB | 1 | 0.24 | 0.89 | 05/25/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.13 | 0.39 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 24000 | mg/Kg DWB | 10 | 11 | 42 | 05/29/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [13] | mg/Kg DWB | 1 | 6.5 | 24 | 05/27/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 12000 | mg/Kg DWB | 10 | 61 | 120 | 05/29/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 330 | mg/Kg DWB | 1 | 0.13 | 0.40 | 05/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.38 | 05/09/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 24 | mg/Kg DWB | 1 | 1.4 | 5.1 | 05/25/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2700 | mg/Kg DWB | 1 | 15 | 53 | 05/28/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.5 | 5.0 | 05/31/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.59 | 2.1 | 05/25/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 170 | mg/Kg DWB | 1 | 1.3 | 4.9 | 05/28/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 74.2 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.9 | 6.6 | 06/01/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 44 | mg/Kg DWB | 1 | 0.35 | 1.3 | 05/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 49 | mg/Kg DWB | 1 | 0.27 | 0.81 | 05/25/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/02/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/06/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/05/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/29/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88872
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SQDup07-0405 NLS ID: 363531**
Ref. Line 1 COC 76413 Soil, NS-SQDup07-0405 Matrix: SO
Collected: 04/22/05 00:00 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 21000 | mg/Kg DWB | 1 | 6.8 | 25 | 05/27/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [2.4] | mg/Kg DWB | 20 | 1.6 | 5.5 | 06/02/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [3.0] | mg/Kg DWB | 20 | 1.2 | 4.4 | 05/31/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 120 | mg/Kg DWB | 1 | 0.16 | 0.33 | 05/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot recoverable as Be by ICP | [0.68] | mg/Kg DWB | 10 | 0.33 | 1.1 | 05/30/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.24 | 0.88 | 05/25/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 16000 | mg/Kg DWB | 10 | 49 | 98 | 05/29/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 36 | mg/Kg DWB | 1 | 0.49* | 1.7 | 05/31/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.18* | | 05/02/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 36 | mg/Kg DWB | 1 | 0.49 | 1.7 | 05/25/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 13 | mg/Kg DWB | 1 | 0.46 | 1.6 | 05/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 25 | mg/Kg DWB | 1 | 0.19 | 0.72 | 05/25/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.36 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 26000 | mg/Kg DWB | 10 | 9.1 | 34 | 05/29/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [10] | mg/Kg DWB | 1 | 5.3 | 19 | 05/27/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 11000 | mg/Kg DWB | 10 | 49 | 98 | 05/29/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 310 | mg/Kg DWB | 1 | 0.11 | 0.33 | 05/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.10 | 0.37 | 05/09/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 29 | mg/Kg DWB | 1 | 1.1 | 4.1 | 05/25/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 3000 | mg/Kg DWB | 1 | 12 | 43 | 05/28/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.5 | 5.0 | 05/31/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.47 | 1.7 | 05/25/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 180 | mg/Kg DWB | 1 | 1.1 | 3.9 | 05/28/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 75.8 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.9 | 6.5 | 06/01/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 46 | mg/Kg DWB | 1 | 0.28 | 1.0 | 05/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 55 | mg/Kg DWB | 1 | 0.22 | 0.65 | 05/25/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/02/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/06/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/05/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/29/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88872**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

**Soil, NS-SOGP141-0-2 NLS ID: 368532**
Ref. Line 2 COC 76413 Soil, NS-SOGP141-0-2 Matrix: SO
Collected: 04/22/05 09:20 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 7700 | mg/Kg DWB | 1 | 7.8 | 29 | 05/27/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.9 | 06/02/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [3.5] | mg/Kg DWB | 20 | 1.1 | 3.9 | 05/31/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 86 | mg/Kg DWB | 1 | 0.18 | 0.37 | 05/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.22] | mg/Kg DWB | 5 | 0.18 | 0.65 | 05/30/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | [0.34] | mg/Kg DWB | 1 | 0.27 | 1.0 | 05/25/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 27000 | mg/Kg DWB | 10 | 55 | 110 | 05/29/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 13 | mg/Kg DWB | 1 | 0.55* | 2.0 | 05/31/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.18* | | 05/02/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 13 | mg/Kg DWB | 1 | 0.55 | 2.0 | 05/25/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 2.9 | mg/Kg DWB | 1 | 0.52 | 1.8 | 05/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 28 | mg/Kg DWB | 1 | 0.22 | 0.81 | 05/25/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.13] | mg/Kg DWB | 1 | 0.13 | 0.38 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 12000 | mg/Kg DWB | 10 | 10 | 38 | 05/29/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 42 | mg/Kg DWB | 1 | 6.0 | 22 | 05/27/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 3600 | mg/Kg DWB | 10 | 55 | 110 | 05/29/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 370 | mg/Kg DWB | 1 | 0.12 | 0.37 | 05/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | 0.49 | mg/Kg DWB | 1 | 0.096 | 0.34 | 05/09/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 9.5 | mg/Kg DWB | 1 | 1.3 | 4.7 | 05/25/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2100 | mg/Kg DWB | 1 | 13 | 48 | 05/28/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.5 | 05/31/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | [1.3] | mg/Kg DWB | 1 | 0.54 | 1.9 | 05/25/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 390 | mg/Kg DWB | 1 | 1.2 | 4.4 | 05/28/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 82.0 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.8 | 06/01/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 24 | mg/Kg DWB | 1 | 0.32 | 1.2 | 05/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 100 | mg/Kg DWB | 1 | 0.25 | 0.74 | 05/25/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/02/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/06/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/05/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/29/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88872
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP141-12-14 NLS ID: 368533**
Ref. Line 3 COC 76413 Soil, NS-SOGP141-12-14 Matrix: SO
Collected: 04/22/05 09:30 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 2200 | mg/Kg DWB | 1 | 6.7 | 25 | 05/27/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.0 | 3.7 | 06/02/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.3] | mg/Kg DWB | 20 | 0.83 | 2.9 | 05/31/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 11 | mg/Kg DWB | 1 | 0.16 | 0.32 | 05/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.13] | mg/Kg DWB | 2 | 0.064 | 0.22 | 05/30/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.24 | 0.86 | 05/25/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 1100 | mg/Kg DWB | 10 | 48 | 96 | 05/29/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 6.5 | mg/Kg DWB | 1 | 0.48* | 1.7 | 05/31/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.18* | | 05/02/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 6.5 | mg/Kg DWB | 1 | 0.48 | 1.7 | 05/25/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 2.4 | mg/Kg DWB | 1 | 0.45 | 1.6 | 05/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 3.0 | mg/Kg DWB | 1 | 0.19 | 0.70 | 05/25/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.13 | 0.39 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 6400 | mg/Kg DWB | 10 | 8.9 | 33 | 05/29/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.2 | 19 | 05/27/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 1100 | mg/Kg DWB | 10 | 48 | 96 | 05/29/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 61 | mg/Kg DWB | 1 | 0.11 | 0.32 | 05/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.10 | 0.35 | 05/09/05 | SW846 7470A | 721026460 |
| Nickel tot. recoverable as Ni by ICP | 4.4 | mg/Kg DWB | 1 | 1.1 | 4.0 | 05/25/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 250 | mg/Kg DWB | 1 | 11 | 42 | 05/28/05 | SW846 6010 | 721026460 |
| Selenium, tot recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.97 | 3.4 | 05/31/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.46 | 1.7 | 05/25/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 46 | mg/Kg DWB | 1 | 1.1 | 3.8 | 05/28/05 | SW846 6010 | 721026460 |
| Solids total on solids | 79.3 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.4 | 06/01/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 18 | mg/Kg DWB | 1 | 0.28 | 1.0 | 05/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 9.4 | mg/Kg DWB | 1 | 0.21 | 0.64 | 05/25/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/02/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/06/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/05/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/29/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88872**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

***Soil, NS-SOGP142-0-2 NLS ID: 368534***
Ref. Line 5 COC 76413 Soil, NS-SOGP142-0-2 Matrix: SO
Collected: 04/22/05 10:30 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 19000 | mg/Kg DWB | 1 | 7.5 | 28 | 05/27/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.8 | 06/02/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.4] | mg/Kg DWB | 20 | 1.1 | 3.8 | 05/31/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 120 | mg/Kg DWB | 1 | 0.18 | 0.36 | 05/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.68] | mg/Kg DWB | 10 | 0.36 | 1.2 | 05/30/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.26 | 0.96 | 05/25/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 15000 | mg/Kg DWB | 10 | 54 | 110 | 05/29/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 34 | mg/Kg DWB | 1 | 0.54* | 1.9 | 05/31/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.18* | | 05/02/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 34 | mg/Kg DWB | 1 | 0.54 | 1.9 | 05/25/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 14 | mg/Kg DWB | 1 | 0.50 | 1.7 | 05/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 27 | mg/Kg DWB | 1 | 0.21 | 0.79 | 05/25/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.13 | 0.39 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 31000 | mg/Kg DWB | 10 | 10 | 37 | 05/29/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [9.6] | mg/Kg DWB | 1 | 5.8 | 21 | 05/27/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 9400 | mg/Kg DWB | 10 | 54 | 110 | 05/29/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 310 | mg/Kg DWB | 1 | 0.12 | 0.36 | 05/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.099 | 0.35 | 05/09/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 29 | mg/Kg DWB | 1 | 1.2 | 4.5 | 05/25/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2300 | mg/Kg DWB | 1 | 13 | 47 | 05/28/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.4 | 05/31/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.52 | 1.9 | 05/25/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 120 | mg/Kg DWB | 1 | 1.2 | 4.3 | 05/28/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 79.7 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.7 | 06/01/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 51 | mg/Kg DWB | 1 | 0.31 | 1.1 | 05/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 53 | mg/Kg DWB | 1 | 0.24 | 0.71 | 05/25/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/02/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/06/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/05/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/29/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88872
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP142-12-14 NLS ID: 358535**
Ref. Line 6 COC 76413 Soil, NS-SOGP142-12-14 Matrix: SO
Collected: 04/22/05 11:00 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 17000 | mg/Kg DWB | 1 | 6.8 | 25 | 05/27/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [2.1] | mg/Kg DWB | 20 | 1.2 | 4.3 | 06/02/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.1] | mg/Kg DWB | 20 | 0.96 | 3.4 | 05/31/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 96 | mg/Kg DWB | 1 | 0.16 | 0.32 | 05/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 1.9 | mg/Kg DWB | 10 | 0.32 | 1.1 | 05/30/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.24 | 0.87 | 05/25/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 29000 | mg/Kg DWB | 10 | 48 | 97 | 05/29/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 29 | mg/Kg DWB | 1 | 0.48* | 1.7 | 05/31/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 05/02/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 29 | mg/Kg DWB | 1 | 0.48 | 1.7 | 05/25/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 9.3 | mg/Kg DWB | 1 | 0.45 | 1.6 | 05/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 21 | mg/Kg DWB | 1 | 0.19 | 0.71 | 05/25/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.37 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 26000 | mg/Kg DWB | 10 | 9.0 | 34 | 05/29/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [13] | mg/Kg DWB | 1 | 5.2 | 19 | 05/27/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 11000 | mg/Kg DWB | 10 | 48 | 97 | 05/29/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 400 | mg/Kg DWB | 1 | 0.11 | 0.32 | 05/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.097 | 0.34 | 05/09/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 24 | mg/Kg DWB | 1 | 1.1 | 4.1 | 05/25/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2700 | mg/Kg DWB | 1 | 12 | 42 | 05/28/05 | SW846 6010 | 721026460 |
| Selenium, tot recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.1 | 3.9 | 05/31/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | [1.3] | mg/Kg DWB | 1 | 0.47 | 1.7 | 05/25/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 150 | mg/Kg DWB | 1 | 1.1 | 3.9 | 05/28/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 81.4 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 5.1 | 06/01/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 45 | mg/Kg DWB | 1 | 0.28 | 1.0 | 05/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 46 | mg/Kg DWB | 1 | 0.22 | 0.64 | 05/25/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/02/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/06/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/05/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/29/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88872
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP143-0-2 NLS ID: 368536**
Ref. Line 7 COC 76413 Soil, NS-SOGP143-0-2 Matrix: SO
Collected: 04/22/05 11:30 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 3700 | mg/Kg DWB | 1 | 7.4 | 27 | 05/27/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 3.9 | 06/02/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.9] | mg/Kg DWB | 20 | 0.88 | 3.1 | 05/31/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 27 | mg/Kg DWB | 1 | 0.18 | 0.35 | 05/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.18] | mg/Kg DWB | 2 | 0.070 | 0.25 | 05/30/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.26 | 0.95 | 05/25/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 6500 | mg/Kg DWB | 10 | 53 | 110 | 05/29/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 7.0 | mg/Kg DWB | 1 | 0.53* | 1.9 | 05/31/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.16* | | 05/02/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 7.0 | mg/Kg DWB | 1 | 0.53 | 1.9 | 05/25/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 2.9 | mg/Kg DWB | 1 | 0.49 | 1.7 | 05/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 9.4 | mg/Kg DWB | 1 | 0.21 | 0.77 | 05/25/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.35 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 7000 | mg/Kg DWB | 10 | 9.8 | 37 | 05/29/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 36 | mg/Kg DWB | 1 | 5.7 | 21 | 05/27/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 2600 | mg/Kg DWB | 10 | 53 | 110 | 05/29/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 130 | mg/Kg DWB | 1 | 0.12 | 0.35 | 05/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.089 | 0.32 | 05/09/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 6.5 | mg/Kg DWB | 1 | 1.2 | 4.5 | 05/25/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 420 | mg/Kg DWB | 1 | 13 | 46 | 05/28/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.0 | 3.6 | 05/31/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.51 | 1.8 | 05/25/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 64 | mg/Kg DWB | 1 | 1.2 | 4.2 | 05/28/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 88.3 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.7 | 06/01/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 19 | mg/Kg DWB | 1 | 0.31 | 1.1 | 05/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 28 | mg/Kg DWB | 1 | 0.24 | 0.70 | 05/25/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/02/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/06/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/05/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/29/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88872
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP143-6-8 NLS ID: 368537**
Ref. Line 8 COC 76413 Soil, NS-SOGP143-6-8 Matrix: SO
Collected: 04/22/05 12:00 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 16000 | mg/Kg DWB | 1 | 7.1 | 26 | 05/27/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.4 | 06/02/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.1] | mg/Kg DWB | 20 | 0.99 | 3.5 | 05/31/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 94 | mg/Kg DWB | 1 | 0.17 | 0.34 | 05/27/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.78 | mg/Kg DWB | 5 | 0.17 | 0.59 | 05/30/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.25 | 0.92 | 05/25/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 28000 | mg/Kg DWB | 10 | 51 | 100 | 05/29/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 27 | mg/Kg DWB | 1 | 0.51* | 1.8 | 05/31/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.18* | | 05/02/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 27 | mg/Kg DWB | 1 | 0.51 | 1.8 | 05/25/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 9.0 | mg/Kg DWB | 1 | 0.48 | 1.7 | 05/27/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 18 | mg/Kg DWB | 1 | 0.20 | 0.75 | 05/25/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.35 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 22000 | mg/Kg DWB | 10 | 9.5 | 35 | 05/29/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [10] | mg/Kg DWB | 1 | 5.5 | 20 | 05/27/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 10000 | mg/Kg DWB | 10 | 51 | 100 | 05/29/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 360 | mg/Kg DWB | 1 | 0.11 | 0.34 | 05/27/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.10 | 0.35 | 05/09/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 19 | mg/Kg DWB | 1 | 1.2 | 4.3 | 05/25/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2200 | mg/Kg DWB | 1 | 12 | 44 | 05/28/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.0 | 05/31/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.49 | 1.8 | 05/25/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 150 | mg/Kg DWB | 1 | 1.1 | 4.1 | 05/28/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 79.3 | % | 1 | 0.10* | | 04/26/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.2 | 06/01/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 37 | mg/Kg DWB | 1 | 0.30 | 1.1 | 05/27/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 41 | mg/Kg DWB | 1 | 0.23 | 0.68 | 05/25/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/02/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/06/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/05/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 04/29/05 | SW846 3550B | 721026460 |

**NS-SQMeOH Blank5-0405 NLS ID: 368538**
Ref. Line 9 COC 76413 NS-SQMeOH Blank5-0405 Matrix: TB
Collected: 04/22/05 00:00 Received: 04/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/06/05 | SW846 8260 | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
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# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 88872**
**NLS Customer: 91206**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88872**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 06/06/2005 07:36**

**Sample: 368527** **Soil, NS-SOGP139-0-2** **Collected: 04/22/05** **Analyzed: 05/05/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 20 | 650 | 2200 |
| Acenaphthylene | ND | ug/Kg | 20 | 610 | 2000 |
| Anthracene | ND | ug/Kg | 20 | 770 | 2600 |
| Benzo[a]anthracene | ND | ug/Kg | 20 | 680 | 2300 |
| Benzo[a]pyrene | ND | ug/Kg | 20 | 680 | 2300 |
| Benzo[b]fluoranthene | ND | ug/Kg | 20 | 750 | 2500 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 20 | 650 | 2200 |
| Benzo[k]fluoranthene | ND | ug/Kg | 20 | 760 | 2500 |
| Chrysene | ND | ug/Kg | 20 | 710 | 2400 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 20 | 680 | 2300 |
| Dibenzofuran | ND | ug/Kg | 20 | 630 | 2100 |
| Fluoranthene | ND | ug/Kg | 20 | 750 | 2500 |
| Fluorene | ND | ug/Kg | 20 | 650 | 2200 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 20 | 620 | 2100 |
| 1-Methylnaphthalene | ND | ug/Kg | 20 | 630 | 2100 |
| 2-Methylnaphthalene | ND | ug/Kg | 20 | 620 | 2100 |
| 2-Methylphenol | ND | ug/Kg | 20 | 520 | 1700 |
| 3 & 4-Methylphenol | ND | ug/Kg | 20 | 1100 | 3900 |
| Naphthalene | ND | ug/Kg | 20 | 610 | 2000 |
| Phenanthrene | ND | ug/Kg | 20 | 730 | 2400 |
| Phenol | ND | ug/Kg | 20 | 560 | 1900 |
| Pyrene | ND | ug/Kg | 20 | 710 | 2400 |
| Benzo[e]pyrene | ND | ug/Kg | 20 | 760 | 2500 |
| 2-Fluorophenol (SURR**) | 77% | | | | |
| Phenol-d5 (SURR**) | 79% | | | | |
| Nitrobenzene-d5 (SURR**) | 76% | | | | |
| 2-Fluorobiphenyl (SURR**) | 77% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 61% | | | | |
| Terphenyl-d14 (SURR**) | 58% | | | | |

10 mL final extract volume.
Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.
Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88872**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 06/06/2005 07:36**

**Sample: 368528** **Soil, NS-SOGP139-10-12** **Collected: 04/22/05** **Analyzed: 05/05/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 17000 | ug/Kg | 20 | 650 | 2200 |
| Acenaphthylene | [980] | ug/Kg | 20 | 610 | 2000 |
| Anthracene | 6600 | ug/Kg | 20 | 770 | 2600 |
| Benzo[a]anthracene | 2600 | ug/Kg | 20 | 680 | 2300 |
| Benzo[a]pyrene | [1800] | ug/Kg | 20 | 680 | 2300 |
| Benzo[b]fluoranthene | [1600] | ug/Kg | 20 | 750 | 2500 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 20 | 650 | 2200 |
| Benzo[k]fluoranthene | ND | ug/Kg | 20 | 760 | 2500 |
| Chrysene | [2300] | ug/Kg | 20 | 710 | 2400 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 20 | 680 | 2300 |
| Dibenzofuran | [1800] | ug/Kg | 20 | 630 | 2100 |
| Fluoranthene | 5600 | ug/Kg | 20 | 750 | 2500 |
| Fluorene | 7100 | ug/Kg | 20 | 650 | 2200 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 20 | 620 | 2100 |
| 1-Methylnaphthalene | 20000 | ug/Kg | 20 | 630 | 2100 |
| 2-Methylnaphthalene | 30000 | ug/Kg | 20 | 620 | 2100 |
| 2-Methylphenol | ND | ug/Kg | 20 | 520 | 1700 |
| 3 & 4-Methylphenol | ND | ug/Kg | 20 | 1100 | 3900 |
| Naphthalene | 27000 | ug/Kg | 20 | 610 | 2000 |
| Phenanthrene | 20000 | ug/Kg | 20 | 730 | 2400 |
| Phenol | ND | ug/Kg | 20 | 560 | 1900 |
| Pyrene | 8300 | ug/Kg | 20 | 710 | 2400 |
| Benzo[e]pyrene | [1000] | ug/Kg | 20 | 760 | 2500 |
| 2-Fluorophenol (SURR**) | 73% | | | | |
| Phenol-d5 (SURR**) | 73% | | | | |
| Nitrobenzene-d5 (SURR**) | 68% | | | | |
| 2-Fluorobiphenyl (SURR**) | 77% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 53% | | | | |
| Terphenyl-d14 (SURR**) | 53% | | | | |

10 mL final extract volume.

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88872**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 06/06/2005 07:36**

**Sample: 368529** **Soil, NS-SOGP140-1-3** **Collected: 04/22/05** **Analyzed: 05/05/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 20 | 650 | 2200 |
| Acenaphthylene | ND | ug/Kg | 20 | 610 | 2000 |
| Anthracene | ND | ug/Kg | 20 | 770 | 2600 |
| Benzo[a]anthracene | ND | ug/Kg | 20 | 680 | 2300 |
| Benzo[a]pyrene | ND | ug/Kg | 20 | 680 | 2300 |
| Benzo[b]fluoranthene | ND | ug/Kg | 20 | 750 | 2500 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 20 | 650 | 2200 |
| Benzo[k]fluoranthene | ND | ug/Kg | 20 | 760 | 2500 |
| Chrysene | ND | ug/Kg | 20 | 710 | 2400 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 20 | 680 | 2300 |
| Dibenzofuran | ND | ug/Kg | 20 | 630 | 2100 |
| Fluoranthene | ND | ug/Kg | 20 | 750 | 2500 |
| Fluorene | ND | ug/Kg | 20 | 650 | 2200 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 20 | 620 | 2100 |
| 1-Methylnaphthalene | ND | ug/Kg | 20 | 630 | 2100 |
| 2-Methylnaphthalene | ND | ug/Kg | 20 | 620 | 2100 |
| 2-Methylphenol | ND | ug/Kg | 20 | 520 | 1700 |
| 3 & 4-Methylphenol | ND | ug/Kg | 20 | 1100 | 3900 |
| Naphthalene | ND | ug/Kg | 20 | 610 | 2000 |
| Phenanthrene | ND | ug/Kg | 20 | 730 | 2400 |
| Phenol | ND | ug/Kg | 20 | 560 | 1900 |
| Pyrene | ND | ug/Kg | 20 | 710 | 2400 |
| Benzo[e]pyrene | ND | ug/Kg | 20 | 760 | 2500 |
| 2-Fluorophenol (SURR**) | 68% | | | | |
| Phenol-d5 (SURR**) | 78% | | | | |
| Nitrobenzene-d5 (SURR**) | 72% | | | | |
| 2-Fluorobiphenyl (SURR**) | 82% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 43% | | | | |
| Terphenyl-d14 (SURR**) | 55% | | | | |

10 mL final extract volume.
Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.
Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88872**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 06/06/2005 07:36**

**Sample: 368530** **Soil, NS-SOGP140-10-12** **Collected: 04/22/05** **Analyzed: 05/05/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 64% | | | | |
| Phenol-d5 (SURR**) | 66% | | | | |
| Nitrobenzene-d5 (SURR**) | 60% | | | | |
| 2-Fluorobiphenyl (SURR**) | 63% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 72% | | | | |
| Terphenyl-d14 (SURR**) | 52% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88872**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 06/06/2005 07:36**

**Sample: 368531** **Soil, NS-SQDup07-0405** **Collected: 04/22/05** **Analyzed: 05/05/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 61% | | | | |
| Phenol-d5 (SURR**) | 64% | | | | |
| Nitrobenzene-d5 (SURR**) | 60% | | | | |
| 2-Fluorobiphenyl (SURR**) | 58% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 72% | | | | |
| Terphenyl-d14 (SURR**) | 53% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88872**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 06/06/2005 07:36**

**Sample: 368532** **Soil, NS-SOGP141-0-2** **Collected: 04/22/05** **Analyzed: 05/05/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | [52] | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | [60] | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 51% | | | | |
| Phenol-d5 (SURR**) | 57% | | | | |
| Nitrobenzene-d5 (SURR**) | 59% | | | | |
| 2-Fluorobiphenyl (SURR**) | 59% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 62% | | | | |
| Terphenyl-d14 (SURR**) | 50% | | | | |

Perylene-dl2 internal standard area recovered outside QC limits. Result for Benzo[b]fluoranthene may have a high bias.
Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88872**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 06/06/2005 07:36**

**Sample: 368533** **Soil, NS-SOGP141-12-14** **Collected: 04/22/05** **Analyzed: 05/05/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 16000 | ug/Kg | 20 | 650 | 2200 |
| Acenaphthylene | [990] | ug/Kg | 20 | 610 | 2000 |
| Anthracene | 6300 | ug/Kg | 20 | 770 | 2600 |
| Benzo[a]anthracene | 2600 | ug/Kg | 20 | 680 | 2300 |
| Benzo[a]pyrene | [1800] | ug/Kg | 20 | 680 | 2300 |
| Benzo[b]fluoranthene | [1600] | ug/Kg | 20 | 750 | 2500 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 20 | 650 | 2200 |
| Benzo[k]fluoranthene | ND | ug/Kg | 20 | 760 | 2500 |
| Chrysene | [2200] | ug/Kg | 20 | 710 | 2400 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 20 | 680 | 2300 |
| Dibenzofuran | [1900] | ug/Kg | 20 | 630 | 2100 |
| Fluoranthene | 5300 | ug/Kg | 20 | 750 | 2500 |
| Fluorene | 6900 | ug/Kg | 20 | 650 | 2200 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 20 | 620 | 2100 |
| 1-Methylnaphthalene | 19000 | ug/Kg | 20 | 630 | 2100 |
| 2-Methylnaphthalene | 30000 | ug/Kg | 20 | 620 | 2100 |
| 2-Methylphenol | ND | ug/Kg | 20 | 520 | 1700 |
| 3 & 4-Methylphenol | ND | ug/Kg | 20 | 1100 | 3900 |
| Naphthalene | 24000 | ug/Kg | 20 | 610 | 2000 |
| Phenanthrene | 19000 | ug/Kg | 20 | 730 | 2400 |
| Phenol | ND | ug/Kg | 20 | 560 | 1900 |
| Pyrene | 8500 | ug/Kg | 20 | 710 | 2400 |
| Benzo[e]pyrene | [970] | ug/Kg | 20 | 760 | 2500 |
| 2-Fluorophenol (SURR**) | 75% | | | | |
| Phenol-d5 (SURR**) | 75% | | | | |
| Nitrobenzene-d5 (SURR**) | 69% | | | | |
| 2-Fluorobiphenyl (SURR**) | 76% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 61% | | | | |
| Terphenyl-d14 (SURR**) | 55% | | | | |

10 mL final extract volume.

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88872**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 06/06/2005 07:36**

**Sample: 368534** **Soil, NS-SOGP142-0-2** **Collected: 04/22/05** **Analyzed: 05/05/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 68% | | | | |
| Phenol-d5 (SURR**) | 68% | | | | |
| Nitrobenzene-d5 (SURR**) | 65% | | | | |
| 2-Fluorobiphenyl (SURR**) | 59% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 71% | | | | |
| Terphenyl-d14 (SURR**) | 53% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88872**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 06/06/2005 07:36**

**Sample: 368535** **Soil, NS-SOGP142-12-14** **Collected: 04/22/05** **Analyzed: 05/05/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 2600 | ug/Kg | 4 | 130 | 430 |
| Acenaphthylene | [150] | ug/Kg | 4 | 120 | 410 |
| Anthracene | 1100 | ug/Kg | 4 | 150 | 510 |
| Benzo[a]anthracene | 520 | ug/Kg | 4 | 140 | 460 |
| Benzo[a]pyrene | [360] | ug/Kg | 4 | 140 | 450 |
| Benzo[b]fluoranthene | [360] | ug/Kg | 4 | 150 | 500 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 4 | 130 | 430 |
| Benzo[k]fluoranthene | ND | ug/Kg | 4 | 150 | 510 |
| Chrysene | [450] | ug/Kg | 4 | 140 | 480 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 4 | 140 | 450 |
| Dibenzofuran | [300] | ug/Kg | 4 | 130 | 420 |
| Fluoranthene | 1100 | ug/Kg | 4 | 150 | 500 |
| Fluorene | 1100 | ug/Kg | 4 | 130 | 430 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 4 | 120 | 420 |
| 1-Methylnaphthalene | 3100 | ug/Kg | 4 | 130 | 420 |
| 2-Methylnaphthalene | 4300 | ug/Kg | 4 | 120 | 410 |
| 2-Methylphenol | ND | ug/Kg | 4 | 100 | 350 |
| 3 & 4-Methylphenol | ND | ug/Kg | 4 | 220 | 770 |
| Naphthalene | 4100 | ug/Kg | 4 | 120 | 410 |
| Phenanthrene | 3500 | ug/Kg | 4 | 150 | 490 |
| Phenol | ND | ug/Kg | 4 | 110 | 380 |
| Pyrene | 1700 | ug/Kg | 4 | 140 | 470 |
| Benzo[e]pyrene | [200] | ug/Kg | 4 | 150 | 510 |
| 2-Fluorophenol (SURR**) | 59% | | | | |
| Phenol-d5 (SURR**) | 64% | | | | |
| Nitrobenzene-d5 (SURR**) | 63% | | | | |
| 2-Fluorobiphenyl (SURR**) | 70% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 64% | | | | |
| Terphenyl-d14 (SURR**) | 52% | | | | |

2 mL final extract volume.

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88872**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 06/06/2005 07:36**

**Sample: 368536** **Soil, NS-SOGP143-0-2** **Collected: 04/22/05** **Analyzed: 05/05/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | [45] | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | [66] | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | [83] | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | [54] | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | [59] | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | [91] | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | [56] | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 61% | | | | |
| Phenol-d5 (SURR**) | 66% | | | | |
| Nitrobenzene-d5 (SURR**) | 64% | | | | |
| 2-Fluorobiphenyl (SURR**) | 70% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 74% | | | | |
| Terphenyl-d14 (SURR**) | 57% | | | | |

Perylene-d12 internal standard area recovered outside QC limits.
Results for compounds associated with this internal standard may have a high bias.
Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88872**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 06/06/2005 07:36**

**Sample: 368537** **Soil, NS-SOGP143-6-8** **Collected: 04/22/05** **Analyzed: 05/05/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | [62] | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 62% | | | | |
| Phenol-d5 (SURR**) | 63% | | | | |
| Nitrobenzene-d5 (SURR**) | 62% | | | | |
| 2-Fluorobiphenyl (SURR**) | 68% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 74% | | | | |
| Terphenyl-d14 (SURR**) | 55% | | | | |

Perylene-d12 internal standard area recovered outside QC limits.

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

** Surrogates are used to evaluate a method's Quality Control.

# ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88872**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: SAT2SNSP** **Printed: 06/06/2005 07:36**

**Sample: 368527** **Soil, NS-SOGP139-0-2** **Collected: 04/22/05** **Analyzed: 05/06/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | [19] | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | 43 | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 80 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | [40] | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | [60] | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 98% | | | | |
| Toluene-d8 (SURR**) | 114% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 103% | | | | |

**Sample: 368528** **Soil, NS-SOGP139-10-12** **Collected: 04/22/05** **Analyzed: 05/06/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 20 | 300 | 1000 |
| sec-Butylbenzene | ND | ug/kg | 20 | 390 | 1300 |
| Ethylbenzene | 4000 | ug/kg | 20 | 310 | 1000 |
| ortho-Xylene | 1400 | ug/kg | 20 | 250 | 850 |
| Styrene | ND | ug/kg | 20 | 350 | 1200 |
| Toluene | [480] | ug/kg | 20 | 210 | 670 |
| 1,2,4-Trimethylbenzene | 5600 | ug/kg | 20 | 290 | 980 |
| 1,3,5-Trimethylbenzene | 1600 | ug/kg | 20 | 330 | 1100 |
| meta,para-Xylene | 3000 | ug/kg | 20 | 500 | 1800 |
| 1,2,3-Trimethylbenzene | 1800 | ug/kg | 20 | 380 | 1300 |
| Dibromofluoromethane (SURR**) | 98% | | | | |
| Toluene-d8 (SURR**) | 113% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

Sample was diluted due to a high level of Naphthalene.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88872**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 06/06/2005 07:36**

**Sample: 368529** **Soil, NS-SOGP140-1-3** **Collected: 04/22/05** **Analyzed: 05/06/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | [21] | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | [17] | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 170 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | [28] | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | [28] | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 113% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 105% | | | | |

**Sample: 368530** **Soil, NS-SOGP140-10-12** **Collected: 04/22/05** **Analyzed: 05/06/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | [30] | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | [28] | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 990 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | [21] | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 94% | | | | |
| Toluene-d8 (SURR**) | 111% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

**Sample: 368531** **Soil, NS-SQDup07-0405** **Collected: 04/22/05** **Analyzed: 05/06/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | [39] | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | [36] | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 1700 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | [29] | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | [38] | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 105% | | | | |
| Toluene-d8 (SURR**) | 120% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 107% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88872**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 06/06/2005 07:36**

**Sample: 368532** **Soil, NS-SOGP141-0-2** **Collected: 04/22/05** **Analyzed: 05/06/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [27] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 105% | | | | |
| Toluene-d8 (SURR**) | 113% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 103% | | | | |

**Sample: 368533** **Soil, NS-SOGP141-12-14** **Collected: 04/22/05** **Analyzed: 05/06/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 5 | 76 | 250 |
| sec-Butylbenzene | ND | ug/kg | 5 | 96 | 320 |
| Ethylbenzene | 1300 | ug/kg | 5 | 77 | 260 |
| ortho-Xylene | 460 | ug/kg | 5 | 64 | 210 |
| Styrene | ND | ug/kg | 5 | 86 | 290 |
| Toluene | ND | ug/kg | 5 | 53 | 170 |
| 1,2,4-Trimethylbenzene | 1800 | ug/kg | 5 | 73 | 250 |
| 1,3,5-Trimethylbenzene | 480 | ug/kg | 5 | 82 | 270 |
| meta,para-Xylene | 810 | ug/kg | 5 | 130 | 440 |
| 1,2,3-Trimethylbenzene | 520 | ug/kg | 5 | 94 | 320 |
| Dibromofluoromethane (SURR**) | 110% | | | | |
| Toluene-d8 (SURR**) | 121% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 113% | | | | |

Sample was diluted due to a high level of Naphthalene.

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88872**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: SAT2SNSP** **Printed: 06/06/2005 07:36**

**Sample: 368534** **Soil, NS-SOGP142-0-2** **Collected: 04/22/05** **Analyzed: 05/06/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 36 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 105% | | | | |
| Toluene-d8 (SURR**) | 115% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 103% | | | | |

**Sample: 368535** **Soil, NS-SOGP142-12-14** **Collected: 04/22/05** **Analyzed: 05/06/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 2 | 30 | 100 |
| sec-Butylbenzene | ND | ug/kg | 2 | 39 | 130 |
| Ethylbenzene | 520 | ug/kg | 2 | 31 | 100 |
| ortho-Xylene | 190 | ug/kg | 2 | 25 | 85 |
| Styrene | ND | ug/kg | 2 | 35 | 120 |
| Toluene | 320 | ug/kg | 2 | 21 | 67 |
| 1,2,4-Trimethylbenzene | 470 | ug/kg | 2 | 29 | 98 |
| 1,3,5-Trimethylbenzene | [71] | ug/kg | 2 | 33 | 110 |
| meta,para-Xylene | [140] | ug/kg | 2 | 50 | 180 |
| 1,2,3-Trimethylbenzene | 140 | ug/kg | 2 | 38 | 130 |
| Dibromofluoromethane (SURR**) | 95% | | | | |
| Toluene-d8 (SURR**) | 110% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 98% | | | | |

Sample was diluted due to a high level of Naphthalene.

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88872**
***Project Description: Xcel RIFS/25688375***
**Project Title:** **Template: SAT2SNSP** **Printed: 06/06/2005 07:36**

**Sample: 368536** **Soil, NS-SOGP143-0-2** **Collected: 04/22/05** **Analyzed: 05/06/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 550 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 109% | | | | |
| Toluene-d8 (SURR**) | 119% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 108% | | | | |

**Sample: 368537** **Soil, NS-SOGP143-6-8** **Collected: 04/22/05** **Analyzed: 05/06/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 2000 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 118% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 105% | | | | |

**Sample: 368538** **NS-SQMeOH Blank5-0405** **Collected: 04/22/05** **Analyzed: 05/06/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [19] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 109% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 88897
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP121-1-3 MS/MSD NLS ID: 368668**
Ref. Line 1 COC 76414 Soil, NS-SOGP121-1-3 MS/MSD Matrix: SO
Collected: 04/25/05 11:15 Received: 04/26/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 1700 | mg/Kg DWB | 1 | 5.3 | 20 | 06/01/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 4.0 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.89 | 3.2 | 06/01/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 16 | mg/Kg DWB | 1 | 0.13 | 0.25 | 05/31/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.59 | mg/Kg DWB | 5 | 0.13 | 0.44 | 06/03/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.19 | 0.68 | 05/31/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 1000 | mg/Kg DWB | 10 | 38 | 76 | 06/01/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 4.6 | mg/Kg DWB | 1 | 0.38* | 1.3 | 06/14/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.16* | | 05/02/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 4.6 | mg/Kg DWB | 1 | 0.38 | 1.3 | 05/31/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 2.0 | mg/Kg DWB | 1 | 0.35 | 1.2 | 05/31/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 4.9 | mg/Kg DWB | 1 | 0.15 | 0.55 | 05/31/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.32 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 5600 | mg/Kg DWB | 10 | 7.1 | 26 | 06/01/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 4.1 | 15 | 06/01/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 880 | mg/Kg DWB | 10 | 38 | 76 | 06/01/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 79 | mg/Kg DWB | 1 | 0.083 | 0.25 | 05/31/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.082 | 0.29 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | [3.0] | mg/Kg DWB | 1 | 0.88 | 3.2 | 05/31/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 220 | mg/Kg DWB | 1 | 9.1 | 33 | 06/01/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.0 | 3.6 | 06/01/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.37 | 1.3 | 05/31/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 53 | mg/Kg DWB | 1 | 0.83 | 3.0 | 06/01/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 96.7 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.7 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 14 | mg/Kg DWB | 1 | 0.22 | 0.81 | 05/31/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 6.5 | mg/Kg DWB | 1 | 0.17 | 0.50 | 05/31/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/02/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/07/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/06/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/02/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 88897
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP121-4-6 NLS ID: 368569**
Ref. Line 2 COC 76414 Soil, NS-SOGP121-4-6 Matrix: SO
Collected: 04/25/05 11:40 Received: 04/26/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 21000 | mg/Kg DWB | 1 | 7.5 | 28 | 06/01/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.8 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.0] | mg/Kg DWB | 20 | 1.1 | 3.8 | 06/01/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 110 | mg/Kg DWB | 1 | 0.18 | 0.36 | 05/31/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.68] | mg/Kg DWB | 10 | 0.36 | 1.2 | 06/03/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.26 | 0.96 | 05/31/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 4300 | mg/Kg DWB | 10 | 53 | 110 | 06/01/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 38 | mg/Kg DWB | 1 | 0.53* | 1.9 | 06/14/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.24 | mg/Kg DWB | 2 | 0.18* | | 05/02/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 39 | mg/Kg DWB | 1 | 0.53 | 1.9 | 05/31/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 13 | mg/Kg DWB | 1 | 0.50 | 1.7 | 05/31/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 23 | mg/Kg DWB | 1 | 0.21 | 0.78 | 05/31/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.37 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 27000 | mg/Kg DWB | 10 | 10 | 37 | 06/01/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [14] | mg/Kg DWB | 1 | 5.8 | 21 | 06/01/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 7600 | mg/Kg DWB | 10 | 53 | 110 | 06/01/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 350 | mg/Kg DWB | 1 | 0.12 | 0.36 | 05/31/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.097 | 0.34 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel tot. recoverable as Ni by ICP | 25 | mg/Kg DWB | 1 | 1.2 | 4.5 | 05/31/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2400 | mg/Kg DWB | 1 | 13 | 47 | 06/01/05 | SW846 6010 | 721026460 |
| Selenium, tot recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.4 | 06/01/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.52 | 1.8 | 05/31/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 130 | mg/Kg DWB | 1 | 1.2 | 4.3 | 06/01/05 | SW846 6010 | 721026460 |
| Solics, total on solids | 81.4 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.7 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 40 | mg/Kg DWB | 1 | 0.31 | 1.1 | 05/31/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 44 | mg/Kg DWB | 1 | 0.24 | 0.71 | 05/31/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/02/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/07/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/06/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/02/05 | SW846 3550B | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88897
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP121-6-8 NLS ID: 368670**
Ref. Line 3 COC 76414 Soil, NS-SOGP121-6-8 Matrix: SO
Collected: 04/25/05 11:30 Received: 04/26/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 18000 | mg/Kg DWB | 1 | 7.6 | 28 | 06/01/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.6 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.6] | mg/Kg DWB | 20 | 1.3 | 4.5 | 06/01/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 100 | mg/Kg DWB | 1 | 0.18 | 0.36 | 05/31/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.40] | mg/Kg DWB | 10 | 0.36 | 1.3 | 06/03/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.27 | 0.98 | 05/31/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 34000 | mg/Kg DWB | 10 | 54 | 110 | 06/01/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 32 | mg/Kg DWB | 1 | 0.54* | 1.9 | 06/14/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 05/02/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 32 | mg/Kg DWB | 1 | 0.54 | 1.9 | 05/31/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 12 | mg/Kg DWB | 1 | 0.51 | 1.8 | 05/31/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 20 | mg/Kg DWB | 1 | 0.21 | 0.79 | 05/31/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.13 | 0.38 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 24000 | mg/Kg DWB | 10 | 10 | 38 | 06/01/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [9.7] | mg/Kg DWB | 1 | 5.9 | 21 | 06/01/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 15000 | mg/Kg DWB | 10 | 54 | 110 | 06/01/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 460 | mg/Kg DWB | 1 | 0.12 | 0.36 | 05/31/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.096 | 0.34 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 23 | mg/Kg DWB | 1 | 1.3 | 4.6 | 05/31/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2700 | mg/Kg DWB | 1 | 13 | 47 | 06/01/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.5 | 5.1 | 06/01/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.52 | 1.9 | 05/31/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 240 | mg/Kg DWB | 1 | 1.2 | 4.3 | 06/01/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 82.7 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.9 | 6.7 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 41 | mg/Kg DWB | 1 | 0.31 | 1.2 | 05/31/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 40 | mg/Kg DWB | 1 | 0.24 | 0.72 | 05/31/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/02/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/07/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/06/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/02/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88897
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP122-1-3 NLS ID: 368571**
Ref. Line 4 COC 76414 Soil, NS-SOGP122-1-3 Matrix: SO
Collected: 04/25/05 12:40 Received: 04/26/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 1600 | mg/Kg DWB | 1 | 6.6 | 25 | 06/01/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 0.82 | 2.9 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.65 | 2.3 | 06/01/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 15 | mg/Kg DWB | 1 | 0.16 | 0.31 | 05/31/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | ND | mg/Kg DWB | 5 | 0.16 | 0.55 | 06/03/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.23 | 0.85 | 05/31/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 2000 | mg/Kg DWB | 10 | 47 | 94 | 06/01/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 4.5 | mg/Kg DWB | 1 | 0.47* | 1.7 | 06/14/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.15* | | 05/02/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 4.5 | mg/Kg DWB | 1 | 0.47 | 1.7 | 05/31/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 2.1 | mg/Kg DWB | 1 | 0.44 | 1.5 | 05/31/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 5.3 | mg/Kg DWB | 1 | 0.19 | 0.69 | 05/31/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.099 | 0.30 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 6400 | mg/Kg DWB | 10 | 8.8 | 33 | 06/01/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.1 | 19 | 06/01/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 1700 | mg/Kg DWB | 10 | 47 | 94 | 06/01/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 140 | mg/Kg DWB | 1 | 0.10 | 0.31 | 05/31/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.082 | 0.29 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | [3.9] | mg/Kg DWB | 1 | 1.1 | 4.0 | 05/31/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 210 | mg/Kg DWB | 1 | 11 | 41 | 06/01/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.76 | 2.6 | 06/01/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.46 | 1.6 | 05/31/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 57 | mg/Kg DWB | 1 | 1.0 | 3.8 | 06/01/05 | SW846 6010 | 721026460 |
| Solics, total on solids | 96.6 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 0.97 | 3.4 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 16 | mg/Kg DWB | 1 | 0.27 | 1.0 | 05/31/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 6.2 | mg/Kg DWB | 1 | 0.21 | 0.63 | 05/31/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/02/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/07/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/06/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/02/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88897
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP122-6-8 NLS ID: 368672**
Ref. Line 5 COC 76414 Soil, NS-SOGP122-6-8 Matrix: SO
Collected: 04/25/05 13:00 Received: 04/26/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 4100 | mg/Kg DWB | 1 | 11 | 42 | 06/01/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.8 | 6.4 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 8.7 | mg/Kg DWB | 20 | 1.4 | 5.1 | 06/01/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 120 | mg/Kg DWB | 1 | 0.27 | 0.53 | 05/31/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.88] | mg/Kg DWB | 5 | 0.27 | 0.93 | 06/03/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.39 | 1.4 | 05/31/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 4400 | mg/Kg DWB | 10 | 80 | 160 | 06/01/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 13 | mg/Kg DWB | 1 | 0.80* | 2.8 | 06/14/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.21* | | 05/02/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 13 | mg/Kg DWB | 1 | 0.80 | 2.8 | 05/31/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 4.9 | mg/Kg DWB | 1 | 0.75 | 2.6 | 05/31/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 190 | mg/Kg DWB | 1 | 0.31 | 1.2 | 05/31/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 1.5 | mg/Kg DWB | 1 | 0.15 | 0.44 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 13000 | mg/Kg DWB | 10 | 15 | 55 | 06/01/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 72 | mg/Kg DWB | 1 | 8.6 | 31 | 06/01/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 2300 | mg/Kg DWB | 10 | 80 | 160 | 06/01/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 65 | mg/Kg DWB | 1 | 0.18 | 0.53 | 05/31/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.40 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 23 | mg/Kg DWB | 1 | 1.9 | 6.8 | 05/31/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 380 | mg/Kg DWB | 1 | 19 | 70 | 06/01/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.7 | 5.8 | 06/01/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.77 | 2.8 | 05/31/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 280 | mg/Kg DWB | 1 | 1.8 | 6.4 | 06/01/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 69.7 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 2.1 | 7.6 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 15 | mg/Kg DWB | 1 | 0.46 | 1.7 | 05/31/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 230 | mg/Kg DWB | 1 | 0.36 | 1.1 | 05/31/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/02/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/07/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/06/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/02/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 88897
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SQDup 08-0405 NLS ID: 368673**
Ref. Line 6 COC 76414 Soil, NS-SQDup 08-0405 Matrix: SO
Collected: 04/25/05 00:00 Received: 04/26/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 1700 | mg/Kg DWB | 1 | 5.3 | 20 | 06/01/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 0.89 | 3.2 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.71 | 2.5 | 06/01/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 16 | mg/Kg DWB | 1 | 0.13 | 0.25 | 05/31/05 | SW846 6010 | 721026460 |
| Beryllium, tot recoverable as Be by ICP | ND | mg/Kg DWB | 5 | 0.13 | 0.44 | 06/03/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.19 | 0.68 | 05/31/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 890 | mg/Kg DWB | 10 | 38 | 75 | 06/01/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 4.9 | mg/Kg DWB | 1 | 0.38* | 1.3 | 06/14/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.20 | mg/Kg DWB | 2 | 0.15* | | 05/02/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 5.1 | mg/Kg DWB | 1 | 0.38 | 1.3 | 05/31/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 2.1 | mg/Kg DWB | 1 | 0.35 | 1.2 | 05/31/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 5.5 | mg/Kg DWB | 1 | 0.15 | 0.55 | 05/31/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.099 | 0.30 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 6400 | mg/Kg DWB | 10 | 7.0 | 26 | 06/01/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 4.1 | 15 | 06/01/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 850 | mg/Kg DWB | 10 | 38 | 75 | 06/01/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 79 | mg/Kg DWB | 1 | 0.083 | 0.25 | 05/31/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.081 | 0.29 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 3.3 | mg/Kg DWB | 1 | 0.88 | 3.2 | 05/31/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 200 | mg/Kg DWB | 1 | 9.0 | 33 | 06/01/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.83 | 2.9 | 06/01/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.36 | 1.3 | 05/31/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 51 | mg/Kg DWB | 1 | 0.83 | 3.0 | 06/01/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 97.2 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 3.8 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 15 | mg/Kg DWB | 1 | 0.22 | 0.80 | 05/31/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 6.5 | mg/Kg DWB | 1 | 0.17 | 0.50 | 05/31/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/02/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/07/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/06/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/02/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88897**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

**Soil, NS-SOGP118-1-3 NLS ID: 368674**
Ref. Line 8 COC 76414 Soil, NS-SOGP118-1-3 Matrix: SO
Collected: 04/25/05 13:35 Received: 04/26/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 2300 | mg/Kg DWB | 1 | 5.8 | 22 | 06/01/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 0.96 | 3.4 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.1] | mg/Kg DWB | 20 | 0.76 | 2.7 | 06/01/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 15 | mg/Kg DWB | 1 | 0.14 | 0.28 | 05/31/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | ND | mg/Kg DWB | 5 | 0.14 | 0.48 | 06/03/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.21 | 0.75 | 05/31/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 1300 | mg/Kg DWB | 10 | 42 | 83 | 06/01/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 5.7 | mg/Kg DWB | 1 | 0.42* | 1.5 | 06/14/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.31 | mg/Kg DWB | 2 | 0.15* | | 05/02/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 6.0 | mg/Kg DWB | 1 | 0.42 | 1.5 | 05/31/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 1.9 | mg/Kg DWB | 1 | 0.39 | 1.4 | 05/31/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 6.8 | mg/Kg DWB | 1 | 0.16 | 0.61 | 05/31/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.10 | 0.31 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 6800 | mg/Kg DWB | 10 | 7.8 | 29 | 06/01/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [14] | mg/Kg DWB | 1 | 4.5 | 16 | 06/01/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 1100 | mg/Kg DWB | 10 | 42 | 83 | 06/01/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 89 | mg/Kg DWB | 1 | 0.091 | 0.28 | 05/31/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.081 | 0.29 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | [3.0] | mg/Kg DWB | 1 | 0.97 | 3.5 | 05/31/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 220 | mg/Kg DWB | 1 | 10 | 36 | 06/01/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.89 | 3.1 | 06/01/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.40 | 1.4 | 05/31/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 51 | mg/Kg DWB | 1 | 0.91 | 3.3 | 06/01/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 97.7 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 4.0 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 12 | mg/Kg DWB | 1 | 0.24 | 0.89 | 05/31/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 13 | mg/Kg DWB | 1 | 0.19 | 0.55 | 05/31/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/02/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/07/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/06/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/02/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88897
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP118-6-8 NLS ID: 368575**
Ref. Line 9 COC 76414 Soil, NS-SOGP118-6-8 Matrix: SO
Collected: 04/25/05 14:20 Received: 04/26/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 13000 | mg/Kg DWB | 1 | 6.6 | 25 | 06/01/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.3 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 4.8 | mg/Kg DWB | 20 | 1.2 | 4.2 | 06/01/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 77 | mg/Kg DWB | 1 | 0.16 | 0.31 | 05/31/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.75 | mg/Kg DWB | 5 | 0.16 | 0.55 | 06/03/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.23 | 0.85 | 05/31/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 44000 | mg/Kg DWB | 10 | 47 | 94 | 06/01/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 23 | mg/Kg DWB | 1 | 0.47* | 1.7 | 06/14/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.18* | | 05/02/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 23 | mg/Kg DWB | 1 | 0.47 | 1.7 | 05/31/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 8.1 | mg/Kg DWB | 1 | 0.44 | 1.5 | 05/31/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 16 | mg/Kg DWB | 1 | 0.19 | 0.69 | 05/31/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.37 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 18000 | mg/Kg DWB | 10 | 8.8 | 33 | 06/01/05 | SW846 6010 | 721026460 |
| Leac, tot. recoverable as Pb by ICP | [8.7] | mg/Kg DWB | 1 | 5.1 | 19 | 06/01/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 13000 | mg/Kg DWB | 10 | 47 | 94 | 06/01/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 320 | mg/Kg DWB | 1 | 0.10 | 0.31 | 05/31/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.10 | 0.36 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 16 | mg/Kg DWB | 1 | 1.1 | 4.0 | 05/31/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2300 | mg/Kg DWB | 1 | 11 | 41 | 06/01/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.4 | 4.8 | 06/01/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.46 | 1.6 | 05/31/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 180 | mg/Kg DWB | 1 | 1.0 | 3.8 | 06/01/05 | SW846 6010 | 721026460 |
| Solics, total on solids | 78.6 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.8 | 6.2 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 32 | mg/Kg DWB | 1 | 0.27 | 1.0 | 05/31/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 34 | mg/Kg DWB | 1 | 0.21 | 0.63 | 05/31/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/02/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/07/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/06/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/02/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RIFS/25688375

NLS Project: 88897
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

**Soil, NS-SOGP118-9-11 NLS ID: 368676**
Ref. Line 10 COC 76414 Soil, NS-SOGP118-9-11 Matrix: SO
Collected: 04/25/05 14:00 Received: 04/26/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 12000 | mg/Kg DWB | 1 | 6.0 | 22 | 06/01/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.3 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.97 | 3.4 | 06/01/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 120 | mg/Kg DWB | 1 | 0.14 | 0.29 | 05/31/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.77 | mg/Kg DWB | 5 | 0.14 | 0.50 | 06/03/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.21 | 0.77 | 05/31/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 19000 | mg/Kg DWB | 10 | 43 | 86 | 06/01/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 20 | mg/Kg DWB | 1 | 0.43* | 1.5 | 06/14/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 05/02/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 20 | mg/Kg DWB | 1 | 0.43 | 1.5 | 05/31/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 8.4 | mg/Kg DWB | 1 | 0.40 | 1.4 | 05/31/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 14 | mg/Kg DWB | 1 | 0.17 | 0.63 | 05/31/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.35 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 19000 | mg/Kg DWB | 10 | 8.0 | 30 | 06/01/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [6.6] | mg/Kg DWB | 1 | 4.6 | 17 | 06/01/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 8800 | mg/Kg DWB | 10 | 43 | 86 | 06/01/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 280 | mg/Kg DWB | 1 | 0.094 | 0.29 | 05/31/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.090 | 0.32 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 16 | mg/Kg DWB | 1 | 1.0 | 3.6 | 05/31/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2000 | mg/Kg DWB | 1 | 10 | 37 | 06/01/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.1 | 3.9 | 06/01/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.41 | 1.5 | 05/31/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 170 | mg/Kg DWB | 1 | 0.94 | 3.4 | 06/01/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 88.0 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 5.1 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 35 | mg/Kg DWB | 1 | 0.25 | 0.91 | 05/31/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 34 | mg/Kg DWB | 1 | 0.19 | 0.57 | 05/31/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/02/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/07/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/06/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/02/05 | SW846 3550B | 721026460 |

**NS-SQMeOHBlank 6-0405 NLS ID: 368677**
Ref. Line COC 76414 NS-SQMeOHBlank 6-0405 Matrix: TB
Collected: 04/25/05 00:00 Received: 04/26/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/07/05 | SW846 8260 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RIFS/25688375

NLS Project: 88897
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

# ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88897**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 06/14/2005 14:57**

**Sample: 368668** **Soil, NS-SOGP121-1-3 MS/MSD** **Collected: 04/25/05** **Analyzed: 05/06/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 62% | | | | |
| Phenol-d5 (SURR**) | 63% | | | | |
| Nitrobenzene-d5 (SURR**) | 61% | | | | |
| 2-Fluorobiphenyl (SURR**) | 66% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 70% | | | | |
| Terphenyl-d14 (SURR**) | 55% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88897**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 06/14/2005 14:57**

**Sample: 368669** **Soil, NS-SOGP121-4-6** **Collected: 04/25/05** **Analyzed: 05/06/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 59% | | | | |
| Phenol-d5 (SURR**) | 58% | | | | |
| Nitrobenzene-d5 (SURR**) | 59% | | | | |
| 2-Fluorobiphenyl (SURR**) | 60% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 66% | | | | |
| Terphenyl-d14 (SURR**) | 51% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88897**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 06/14/2005 14:57**

**Sample: 368670** **Soil, NS-SOGP121-6-8** **Collected: 04/25/05** **Analyzed: 05/06/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | [50] | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 57% | | | | |
| Phenol-d5 (SURR**) | 59% | | | | |
| Nitrobenzene-d5 (SURR**) | 58% | | | | |
| 2-Fluorobiphenyl (SURR**) | 61% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 69% | | | | |
| Terphenyl-d14 (SURR**) | 52% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88897**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP Printed: 06/14/2005 14:57**

**Sample: 368671 Soil, NS-SOGP122-1-3** **Collected: 04/25/05** **Analyzed: 05/06/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 58% | | | | |
| Phenol-d5 (SURR**) | 60% | | | | |
| Nitrobenzene-d5 (SURR**) | 59% | | | | |
| 2-Fluorobiphenyl (SURR**) | 64% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 71% | | | | |
| Terphenyl-d14 (SURR**) | 55% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88897**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 06/14/2005 14:57**

**Sample: 368672** **Soil, NS-SOGP122-6-8** **Collected: 04/25/05** **Analyzed: 05/06/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 670000 | ug/Kg | 2500 | 81000 | 270000 |
| Acenaphthylene | 910000 | ug/Kg | 2500 | 77000 | 260000 |
| Anthracene | 750000 | ug/Kg | 2500 | 96000 | 320000 |
| Benzo[a]anthracene | 520000 | ug/Kg | 2500 | 86000 | 290000 |
| Benzo[a]pyrene | 340000 | ug/Kg | 2500 | 85000 | 280000 |
| Benzo[b]fluoranthene | 410000 | ug/Kg | 2500 | 94000 | 310000 |
| Benzo[g,h,i]perylene | [190000] | ug/Kg | 2500 | 81000 | 270000 |
| Benzo[k]fluoranthene | [130000] | ug/Kg | 2500 | 95000 | 320000 |
| Chrysene | 470000 | ug/Kg | 2500 | 89000 | 300000 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 2500 | 85000 | 280000 |
| Dibenzofuran | 280000 | ug/Kg | 2500 | 79000 | 260000 |
| Fluoranthene | 1400000 | ug/Kg | 2500 | 94000 | 310000 |
| Fluorene | 1200000 | ug/Kg | 2500 | 81000 | 270000 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 2500 | 78000 | 260000 |
| 1-Methylnaphthalene | 3800000 | ug/Kg | 2500 | 79000 | 260000 |
| 2-Methylnaphthalene | 3300000 | ug/Kg | 2500 | 78000 | 260000 |
| 2-Methylphenol | ND | ug/Kg | 2500 | 65000 | 220000 |
| 3 & 4-Methylphenol | ND | ug/Kg | 2500 | 140000 | 480000 |
| Naphthalene | 270000 | ug/Kg | 2500 | 77000 | 260000 |
| Phenanthrene | 3700000 | ug/Kg | 2500 | 92000 | 310000 |
| Phenol | ND | ug/Kg | 2500 | 70000 | 230000 |
| Pyrene | 2000000 | ug/Kg | 2500 | 89000 | 300000 |
| Benzo[e]pyrene | [260000] | ug/Kg | 2500 | 95000 | 320000 |
| 2-Fluorophenol (SURR**) | 85% | | | | |
| Phenol-d5 (SURR**) | 89% | | | | |
| Nitrobenzene-d5 (SURR**) | 73% | | | | |
| 2-Fluorobiphenyl (SURR**) | 88% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 95% | | | | |
| Terphenyl-d14 (SURR**) | 70% | | | | |

6 grams of sample extracted. 10 mL final extract volume.

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88897**
**Project Description: Xcel RIFS 25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 06/14/2005 14:57**

**Sample: 368673** **Soil, NS-SQDup 08-0405** **Collected: 04/25/05** **Analyzed: 05/06/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 61% | | | | |
| Phenol-d5 (SURR**) | 64% | | | | |
| Nitrobenzene-d5 (SURR**) | 62% | | | | |
| 2-Fluorobiphenyl (SURR**) | 68% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 73% | | | | |
| Terphenyl-d14 (SURR**) | 57% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88897**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 06/14/2005 14:57**

**Sample: 368674** **Soil, NS-SOGP118-1-3** **Collected: 04/25/05** **Analyzed: 05/06/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 2 | 65 | 220 |
| Acenaphthylene | ND | ug/Kg | 2 | 61 | 200 |
| Anthracene | ND | ug/Kg | 2 | 77 | 260 |
| Benzo[a]anthracene | ND | ug/Kg | 2 | 68 | 230 |
| Benzo[a]pyrene | ND | ug/Kg | 2 | 68 | 230 |
| Benzo[b]fluoranthene | [83] | ug/Kg | 2 | 75 | 250 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 2 | 65 | 220 |
| Benzo[k]fluoranthene | ND | ug/Kg | 2 | 76 | 250 |
| Chrysene | ND | ug/Kg | 2 | 71 | 240 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 2 | 68 | 230 |
| Dibenzofuran | ND | ug/Kg | 2 | 63 | 210 |
| Fluoranthene | [100] | ug/Kg | 2 | 75 | 250 |
| Fluorene | ND | ug/Kg | 2 | 65 | 220 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 2 | 62 | 210 |
| 1-Methylnaphthalene | ND | ug/Kg | 2 | 63 | 210 |
| 2-Methylnaphthalene | ND | ug/Kg | 2 | 62 | 210 |
| 2-Methylphenol | ND | ug/Kg | 2 | 52 | 170 |
| 3 & 4-Methylphenol | ND | ug/Kg | 2 | 110 | 390 |
| Naphthalene | ND | ug/Kg | 2 | 61 | 200 |
| Phenanthrene | ND | ug/Kg | 2 | 73 | 240 |
| Phenol | ND | ug/Kg | 2 | 56 | 190 |
| Pyrene | [150] | ug/Kg | 2 | 71 | 240 |
| Benzo[e]pyrene | ND | ug/Kg | 2 | 76 | 250 |
| 2-Fluorophenol (SURR**) | 61% | | | | |
| Phenol-d5 (SURR**) | 69% | | | | |
| Nitrobenzene-d5 (SURR**) | 67% | | | | |
| 2-Fluorobiphenyl (SURR**) | 77% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 68% | | | | |
| Terphenyl-d14 (SURR**) | 65% | | | | |

Perylene-d12 internal standard area recovered outside QC limits. Benzo[b]fluoranthene result may have a high bias.
*Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.*

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88897**
**Project Description: Xcel RIFS 25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 06/14/2005 14:57**

**Sample: 368675** **Soil, NS-SOGP1 8-6-8** **Collected: 04/25/05** **Analyzed: 05/06/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 54% | | | | |
| Phenol-d5 (SURR**) | 54% | | | | |
| Nitrobenzene-d5 (SURR**) | 52% | | | | |
| 2-Fluorobiphenyl (SURR**) | 57% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 63% | | | | |
| Terphenyl-d14 (SURR**) | 54% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88897**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 06/14/2005 14:57**

**Sample: 368676** **Soil, NS-SOGP118-9-11** **Collected: 04/25/05** **Analyzed: 05/06/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 59% | | | | |
| Phenol-d5 (SURR**) | 61% | | | | |
| Nitrobenzene-d5 (SURR**) | 59% | | | | |
| 2-Fluorobiphenyl (SURR**) | 63% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 67% | | | | |
| Terphenyl-d14 (SURR**) | 58% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

** Surrogates are used to evaluate a method's Quality Control.

# ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88897**
**Project Description: Xcel RIFS 25688375**
**Project Title:** **Template: SAT2SNSP Printed: 06/14/2005 14:57**

**Sample: 368668 Soil, NS-SOGP121-1-3 MS/MSD** **Collected: 04/25/05** **Analyzed: 05/07/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 560 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 114% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 104% | | | | |

**Sample: 368669 Soil, NS-SOGP121-4-6** **Collected: 04/25/05** **Analyzed: 05/07/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 99% | | | | |
| Toluene-d8 (SURR**) | 112% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

**Sample: 368670 Soil, NS-SOGP121-6-8** **Collected: 04/25/05** **Analyzed: 05/07/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 1400 | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | 140 | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | [22] | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [22] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | 52 | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | [42] | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 104% | | | | |
| Toluene-d8 (SURR**) | 118% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 111% | | | | |

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88897**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: SAT2SNSP** **Printed: 06/14/2005 14:57**

**Sample: 368671** **Soil, NS-SOGP122-1-3** **Collected: 04/25/05** **Analyzed: 05/07/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 34 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 109% | | | | |
| Toluene-d8 (SURR**) | 116% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 108% | | | | |

**Sample: 368672** **Soil, NS-SOGP122-6-8** **Collected: 04/25/05** **Analyzed: 05/07/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 50000 | ug/kg | 40 | 610 | 2000 |
| sec-Butylbenzene | ND | ug/kg | 40 | 770 | 2600 |
| Ethylbenzene | 12000 | ug/kg | 40 | 620 | 2100 |
| ortho-Xylene | 4900 | ug/kg | 40 | 510 | 1700 |
| Styrene | [1300] | ug/kg | 40 | 690 | 2300 |
| Toluene | 3100 | ug/kg | 40 | 420 | 1300 |
| 1,2,4-Trimethylbenzene | 12000 | ug/kg | 40 | 590 | 2000 |
| 1,3,5-Trimethylbenzene | 3500 | ug/kg | 40 | 660 | 2200 |
| meta,para-Xylene | 3800 | ug/kg | 40 | 1000 | 3600 |
| 1,2,3-Trimethylbenzene | 11000 | ug/kg | 40 | 760 | 2500 |
| Dibromofluoromethane (SURR**) | 110% | | | | |
| Toluene-d8 (SURR**) | 128% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 114% | | | | |

**Sample: 368673** **Soil, NS-SQDup 08-0405** **Collected: 04/25/05** **Analyzed: 05/07/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [14] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 108% | | | | |
| Toluene-d8 (SURR**) | 117% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 108% | | | | |

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88897**
**Project Description: Xcel RIFS 25688375**
**Project Title:** **Template: SAT2SNSP** **Printed: 06/14/2005 14:57**

**Sample: 368674** **Soil, NS-SOGP118-1-3** **Collected: 04/25/05** **Analyzed: 05/07/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 44 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 99% | | | | |
| Toluene-d8 (SURR**) | 114% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

**Sample: 368675** **Soil, NS-SOGP118-6-8** **Collected: 04/25/05** **Analyzed: 05/07/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 140 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 106% | | | | |
| Toluene-d8 (SURR**) | 120% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 108% | | | | |

**Sample: 368676** **Soil, NS-SOGP118-9-11** **Collected: 04/25/05** **Analyzed: 05/07/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 102% | | | | |
| Toluene-d8 (SURR**) | 115% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 103% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88897**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 06/14/2005 14:57**

**Sample: 368677** **NS-SQMeOHBlank 6-0405** **Collected: 04/25/05** **Analyzed: 05/07/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 104% | | | | |
| Toluene-d8 (SURR**) | 120% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 107% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RIFS/25688375

NLS Project: 88931
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**Soil, NS-SOGP119-1-3 NLS ID: 368343**
Ref. Line 1 COC 76415 Soil, NS-SOGP119-1-3 Matrix: SO
Collected: 04/25/05 15:20 Received: 04/27/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 2000 | mg/Kg DWB | 1 | 7.1 | 26 | 06/08/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 0.82 | 2.9 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [0.87] | mg/Kg DWB | 20 | 0.65 | 2.3 | 06/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 20 | mg/Kg DWB | 1 | 0.17 | 0.34 | 06/08/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.19] | mg/Kg DWB | 2 | 0.068 | 0.24 | 06/13/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.25 | 0.91 | 06/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 1400 | mg/Kg DWB | 10 | 51 | 100 | 06/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 5.6 | mg/Kg DWB | 1 | 0.51* | 1.8 | 06/16/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.16* | | 05/04/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 5.6 | mg/Kg DWB | 1 | 0.51 | 1.8 | 06/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 3.1 | mg/Kg DWB | 1 | 0.47 | 1.7 | 06/08/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 10 | mg/Kg DWB | 1 | 0.20 | 0.74 | 06/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.34 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 6000 | mg/Kg DWB | 10 | 9.5 | 35 | 06/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [14] | mg/Kg DWB | 1 | 5.5 | 20 | 06/08/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 1100 | mg/Kg DWB | 10 | 51 | 100 | 06/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 78 | mg/Kg DWB | 1 | 0.11 | 0.34 | 06/08/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.086 | 0.31 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | [4.2] | mg/Kg DWB | 1 | 1.2 | 4.3 | 06/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 280 | mg/Kg DWB | 1 | 12 | 44 | 06/07/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.76 | 2.6 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.49 | 1.8 | 06/07/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 79 | mg/Kg DWB | 1 | 1.1 | 4.1 | 06/07/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 91.4 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 0.97 | 3.4 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 16 | mg/Kg DWB | 1 | 0.29 | 1.1 | 06/08/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 14 | mg/Kg DWB | 1 | 0.23 | 0.68 | 06/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/08/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/11/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/02/05 | SW846 3550B | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 88931
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP119-4-6 NLS ID: 368844**
Ref. Line 2 COC 76415 Soil, NS-SOGP119-4-6 Matrix: SO
Collected: 04/25/05 15:30 Received: 04/27/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 14000 | mg/Kg DWB | 1 | 8.0 | 30 | 06/08/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [1.5] | mg/Kg DWB | 20 | 1.3 | 4.6 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.6] | mg/Kg DWB | 20 | 1.0 | 3.7 | 06/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 90 | mg/Kg DWB | 1 | 0.19 | 0.38 | 06/08/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.83 | mg/Kg DWB | 5 | 0.19 | 0.66 | 06/13/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.28 | 1.0 | 06/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 54000 | mg/Kg DWB | 10 | 57 | 110 | 06/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 6.3 | mg/Kg DWB | 1 | 0.57* | 2.0 | 06/16/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 05/04/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 6.3 | mg/Kg DWB | 1 | 0.57 | 2.0 | 06/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 11 | mg/Kg DWB | 1 | 0.53 | 1.9 | 06/08/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 7.3 | mg/Kg DWB | 1 | 0.22 | 0.83 | 06/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.36 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 21000 | mg/Kg DWB | 10 | 11 | 39 | 06/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [10] | mg/Kg DWB | 1 | 6.1 | 22 | 06/08/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 16000 | mg/Kg DWB | 10 | 57 | 110 | 06/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 400 | mg/Kg DWB | 1 | 0.13 | 0.38 | 06/08/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.097 | 0.34 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 5.1 | mg/Kg DWB | 1 | 1.3 | 4.8 | 06/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2400 | mg/Kg DWB | 1 | 14 | 50 | 06/07/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.2 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.55 | 2.0 | 06/07/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 240 | mg/Kg DWB | 1 | 1.3 | 4.6 | 06/07/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 81.7 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.5 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 39 | mg/Kg DWB | 1 | 0.33 | 1.2 | 06/08/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 9.1 | mg/Kg DWB | 1 | 0.25 | 0.76 | 06/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/08/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/11/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/02/05 | SW846 3550B | 721026460 |

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Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88931
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP124-1-3 NLS ID: 368345**
Ref. Line 3 COC 76415 Soil, NS-SOGP124-1-3 Matrix: SO
Collected: 04/25/05 15:40 Received: 04/27/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 1400 | mg/Kg DWB | 1 | 5.5 | 21 | 06/08/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.3 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.3] | mg/Kg DWB | 20 | 0.96 | 3.4 | 06/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 14 | mg/Kg DWB | 1 | 0.13 | 0.26 | 06/08/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 1.4 | mg/Kg DWB | 5 | 0.13 | 0.46 | 06/13/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.19 | 0.71 | 06/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 910 | mg/Kg DWB | 10 | 39 | 79 | 06/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 4.4 | mg/Kg DWB | 1 | 0.39* | 1.4 | 06/16/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.15* | | 05/04/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 4.4 | mg/Kg DWB | 1 | 0.39 | 1.4 | 06/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 2.1 | mg/Kg DWB | 1 | 0.37 | 1.3 | 06/08/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 5.0 | mg/Kg DWB | 1 | 0.16 | 0.58 | 06/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.32 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 6000 | mg/Kg DWB | 10 | 7.4 | 27 | 06/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 4.3 | 16 | 06/08/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 920 | mg/Kg DWB | 10 | 39 | 79 | 06/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 69 | mg/Kg DWB | 1 | 0.087 | 0.26 | 06/08/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.082 | 0.29 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 3.5 | mg/Kg DWB | 1 | 0.92 | 3.3 | 06/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 190 | mg/Kg DWB | 1 | 9.5 | 34 | 06/07/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.1 | 3.9 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.38 | 1.4 | 06/07/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 45 | mg/Kg DWB | 1 | 0.87 | 3.2 | 06/07/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 96.0 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 5.1 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 15 | mg/Kg DWB | 1 | 0.23 | 0.84 | 06/08/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 6.3 | mg/Kg DWB | 1 | 0.18 | 0.53 | 06/08/05 | SW846 6010 | 721026460 |
| *Metals digestion - tot. recov. (solid) GF* | yes | | | | | *04/28/05* | *SW846 3050M* | *721026460* |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/08/05 | SW846 8260 | 721026460 |
| Sem volatile GC/MS by 8270C (soil) | see attached | | | | | 05/11/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/02/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RIFS/25688375

NLS Project: 88931
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**Soil, NS-SOGP124-6-8 NLS ID: 368846**
Ref. Line 4 COC 76415 Soil, NS-SOGP124-6-8 Matrix: SO
Collected: 04/25/05 16:30 Received: 04/27/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 4900 | mg/Kg DWB | 1 | 7.9 | 29 | 06/08/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 5.1 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 5.0 | mg/Kg DWB | 20 | 1.2 | 4.1 | 06/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 86 | mg/Kg DWB | 1 | 0.19 | 0.38 | 06/08/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 1.7 | mg/Kg DWB | 2 | 0.075 | 0.26 | 06/13/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.28 | 1.0 | 06/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 8000 | mg/Kg DWB | 10 | 56 | 110 | 06/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 6.4 | mg/Kg DWB | 1 | 0.56* | 2.0 | 06/16/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 05/04/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 6.4 | mg/Kg DWB | 1 | 0.56 | 2.0 | 06/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.2 | mg/Kg DWB | 1 | 0.53 | 1.8 | 06/08/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 12 | mg/Kg DWB | 1 | 0.22 | 0.83 | 06/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 2.8 | mg/Kg DWB | 1 | 0.12 | 0.36 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 9100 | mg/Kg DWB | 10 | 11 | 39 | 06/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [7.0] | mg/Kg DWB | 1 | 6.1 | 22 | 06/08/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 1900 | mg/Kg DWB | 10 | 56 | 110 | 06/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 31 | mg/Kg DWB | 1 | 0.12 | 0.38 | 06/08/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.092 | 0.33 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 15 | mg/Kg DWB | 1 | 1.3 | 4.8 | 06/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 510 | mg/Kg DWB | 1 | 14 | 49 | 06/07/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.7 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.54 | 2.0 | 06/07/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 190 | mg/Kg DWB | 1 | 1.2 | 4.5 | 06/07/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 85.8 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.7 | 6.1 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 16 | mg/Kg DWB | 1 | 0.33 | 1.2 | 06/08/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 10 | mg/Kg DWB | 1 | 0.25 | 0.75 | 06/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/08/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/11/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/02/05 | SW846 3550B | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88931
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP126-1-3 NLS ID: 368347**
Ref. Line 5 COC 76415 Soil, NS-SOGP126-1-3 Matrix: SO
Collected: 04/25/05 16:40 Received: 04/27/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 1500 | mg/Kg DWB | 1 | 6.6 | 25 | 06/08/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.0 | 3.6 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.1] | mg/Kg DWB | 20 | 0.80 | 2.8 | 06/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 15 | mg/Kg DWB | 1 | 0.16 | 0.31 | 06/08/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.16] | mg/Kg DWB | 2 | 0.063 | 0.22 | 06/13/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.23 | 0.85 | 06/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 980 | mg/Kg DWB | 10 | 47 | 94 | 06/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 5.2 | mg/Kg DWB | 1 | 0.47* | 1.7 | 06/16/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.15* | | 05/04/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 5.2 | mg/Kg DWB | 1 | 0.47 | 1.7 | 06/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 2.8 | mg/Kg DWB | 1 | 0.44 | 1.5 | 06/08/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 5.7 | mg/Kg DWB | 1 | 0.19 | 0.69 | 06/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.32 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 5700 | mg/Kg DWB | 10 | 8.8 | 33 | 06/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.1 | 19 | 06/08/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 1000 | mg/Kg DWB | 10 | 47 | 94 | 06/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 75 | mg/Kg DWB | 1 | 0.10 | 0.31 | 06/08/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.080 | 0.28 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 4.4 | mg/Kg DWB | 1 | 1.1 | 4.0 | 06/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 160 | mg/Kg DWB | 1 | 11 | 41 | 06/07/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.94 | 3.3 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.46 | 1.6 | 06/07/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 48 | mg/Kg DWB | 1 | 1.0 | 3.8 | 06/07/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 98.4 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.2 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 15 | mg/Kg DWB | 1 | 0.27 | 1.0 | 06/08/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 6.8 | mg/Kg DWB | 1 | 0.21 | 0.63 | 06/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/08/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/11/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/02/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RIFS/25688375

NLS Project: 88931
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**Soil, NS-SOGP126-6-8 NLS ID: 368848**
Ref. Line 6 COC 76415 Soil, NS-SOGP126-6-8 Matrix: SO
Collected: 04/25/05 18:00 Received: 04/27/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 1200 | mg/Kg DWB | 1 | 8.1 | 30 | 06/08/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.8 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [3.7] | mg/Kg DWB | 20 | 1.3 | 4.6 | 06/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 57 | mg/Kg DWB | 1 | 0.19 | 0.39 | 06/08/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.42 | mg/Kg DWB | 2 | 0.077 | 0.27 | 06/13/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.29 | 1.0 | 06/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 1500 | mg/Kg DWB | 10 | 58 | 120 | 06/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 3.2 | mg/Kg DWB | 1 | 0.58* | 2.0 | 06/16/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.53 | mg/Kg DWB | 2 | 0.19* | | 05/04/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 3.7 | mg/Kg DWB | 1 | 0.58 | 2.0 | 06/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 4.9 | mg/Kg DWB | 1 | 0.54 | 1.9 | 06/08/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 7.6 | mg/Kg DWB | 1 | 0.23 | 0.85 | 06/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.13 | 0.39 | 04/29/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 3800 | mg/Kg DWB | 10 | 11 | 40 | 06/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 6.3 | 23 | 06/08/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 150 | mg/Kg DWB | 10 | 58 | 120 | 06/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 12 | mg/Kg DWB | 1 | 0.13 | 0.39 | 06/08/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.10 | 0.35 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 10 | mg/Kg DWB | 1 | 1.4 | 4.9 | 06/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 230 | mg/Kg DWB | 1 | 14 | 51 | 06/07/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.5 | 5.3 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.56 | 2.0 | 06/07/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 91 | mg/Kg DWB | 1 | 1.3 | 4.6 | 06/07/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 78.9 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.9 | 6.9 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 8.3 | mg/Kg DWB | 1 | 0.34 | 1.2 | 06/08/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 1.9 | mg/Kg DWB | 1 | 0.26 | 0.77 | 06/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/08/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/11/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/02/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88931
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: *Xcel RIFS/25688375*

**Soil, NS-SQDUP09-0405 NLS ID: 368849**
Ref. Line 7 COC 76415 Soil, NS-SQDUP09-0405 Matrix: SO
Collected: 04/25/05 00:00 Received: 04/27/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 1300 | mg/Kg DWB | 1 | 6.9 | 26 | 06/08/05 | SW846 6010 | 721026460 |
| Antimony, tot recoverable as Sb by furnace AAS | [1.2] | mg/Kg DWB | 20 | 1.1 | 4.0 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.5] | mg/Kg DWB | 20 | 0.90 | 3.2 | 06/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 16 | mg/Kg DWB | 1 | 0.16 | 0.33 | 06/08/05 | SW846 6010 | 721026460 |
| Beryllium, tot recoverable as Be by ICP | [0.085] | mg/Kg DWB | 2 | 0.065 | 0.23 | 06/13/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.24 | 0.88 | 06/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 720 | mg/Kg DWB | 10 | 49 | 98 | 06/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 4.2 | mg/Kg DWB | 1 | 0.49* | 1.7 | 06/16/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.15* | | 05/04/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 4.2 | mg/Kg DWB | 1 | 0.49 | 1.7 | 06/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 1.6 | mg/Kg DWB | 1 | 0.46 | 1.6 | 06/08/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 7.0 | mg/Kg DWB | 1 | 0.19 | 0.72 | 06/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.096 | 0.29 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 5800 | mg/Kg DWB | 10 | 9.2 | 34 | 06/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.3 | 19 | 06/08/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 900 | mg/Kg DWB | 10 | 49 | 98 | 06/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 63 | mg/Kg DWB | 1 | 0.11 | 0.33 | 06/08/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.081 | 0.29 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | [3.7] | mg/Kg DWB | 1 | 1.1 | 4.2 | 06/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 170 | mg/Kg DWB | 1 | 12 | 43 | 06/07/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.1 | 3.7 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.47 | 1.7 | 06/07/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 82 | mg/Kg DWB | 1 | 1.1 | 3.9 | 06/07/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 97.1 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.8 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 14 | mg/Kg DWB | 1 | 0.28 | 1.0 | 06/08/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 5.5 | mg/Kg DWB | 1 | 0.22 | 0.65 | 06/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/08/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/11/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/02/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88931
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP125-1-3 NLS ID: 368850**
Ref. Line 8 COC 76415 Soil, NS-SOGP125-1-3 Matrix: SO
Collected: 04/26/05 07:40 Received: 04/27/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 2200 | mg/Kg DWB | 1 | 6.0 | 22 | 06/08/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 3.9 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.6] | mg/Kg DWB | 20 | 0.88 | 3.1 | 06/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 15 | mg/Kg DWB | 1 | 0.14 | 0.29 | 06/08/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.14] | mg/Kg DWB | 5 | 0.14 | 0.50 | 06/13/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.21 | 0.78 | 06/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 1400 | mg/Kg DWB | 10 | 43 | 86 | 06/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 7.7 | mg/Kg DWB | 1 | 0.43* | 1.5 | 06/16/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.15* | | 05/04/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 7.7 | mg/Kg DWB | 1 | 0.43 | 1.5 | 06/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 2.6 | mg/Kg DWB | 1 | 0.40 | 1.4 | 06/08/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 8.3 | mg/Kg DWB | 1 | 0.17 | 0.63 | 06/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.094 | 0.28 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 8400 | mg/Kg DWB | 10 | 8.1 | 30 | 06/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 4.7 | 17 | 06/08/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 1600 | mg/Kg DWB | 10 | 43 | 86 | 06/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 85 | mg/Kg DWB | 1 | 0.095 | 0.29 | 06/08/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.080 | 0.28 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 6.7 | mg/Kg DWB | 1 | 1.0 | 3.7 | 06/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 230 | mg/Kg DWB | 1 | 10 | 38 | 06/07/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.0 | 3.6 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.42 | 1.5 | 06/07/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 62 | mg/Kg DWB | 1 | 0.95 | 3.5 | 06/07/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 98.8 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.6 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 17 | mg/Kg DWB | 1 | 0.25 | 0.92 | 06/08/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 9.7 | mg/Kg DWB | 1 | 0.19 | 0.58 | 06/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/08/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/11/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/02/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88931
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP125-9-11 NLS ID: 368851**
Ref. Line 9 COC 76415 Soil, NS-SOGP125 9-11 Matrix: SO
*Collected: 04/26/05 09:00 Received: 04/27/05*

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 13000 | mg/Kg DWB | 1 | 7.2 | 27 | 06/08/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.3 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.1] | mg/Kg DWB | 20 | 1.2 | 4.2 | 06/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 93 | mg/Kg DWB | 1 | 0.17 | 0.34 | 06/08/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 6.0 | mg/Kg DWB | 5 | 0.17 | 0.60 | 06/13/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.25 | 0.92 | 06/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 24000 | mg/Kg DWB | 10 | 51 | 100 | 06/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 24 | mg/Kg DWB | 1 | 0.51* | 1.8 | 06/16/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.30 | mg/Kg DWB | 2 | 0.19* | | 05/04/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 24 | mg/Kg DWB | 1 | 0.51 | 1.8 | 06/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 8.6 | mg/Kg DWB | 1 | 0.48 | 1.7 | 06/08/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 22 | mg/Kg DWB | 1 | 0.20 | 0.75 | 06/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.24] | mg/Kg DWB | 1 | 0.13 | 0.40 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 21000 | mg/Kg DWB | 10 | 9.5 | 35 | 06/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 21 | mg/Kg DWB | 1 | 5.5 | 20 | 06/08/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 8500 | mg/Kg DWB | 10 | 51 | 100 | 06/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 380 | mg/Kg DWB | 1 | 0.11 | 0.34 | 06/08/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.099 | 0.35 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 18 | mg/Kg DWB | 1 | 1.2 | 4.3 | 06/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2900 | mg/Kg DWB | 1 | 12 | 45 | 06/07/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.4 | 4.8 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.49 | 1.8 | 06/07/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 180 | mg/Kg DWB | 1 | 1.1 | 4.1 | 06/07/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 79.6 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.8 | 6.3 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 37 | mg/Kg DWB | 1 | 0.30 | 1.1 | 06/08/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 46 | mg/Kg DWB | 1 | 0.23 | 0.68 | 06/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/08/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/11/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/02/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RIFS/25688375

NLS Project: 88931
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

**Soil, NS-SOGP125-12-14 NLS ID: 368852**
Ref. Line 10 COC 76415 Soil, NS-SOGP125-12-14 Matrix: SO
Collected: 04/26/05 09:10 Received: 04/27/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 12000 | mg/Kg DWB | 1 | 7.9 | 29 | 06/08/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.5 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [3.9] | mg/Kg DWB | 20 | 1.2 | 4.4 | 06/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 81 | mg/Kg DWB | 1 | 0.19 | 0.38 | 06/08/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.94 | mg/Kg DWB | 5 | 0.19 | 0.66 | 06/13/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.28 | 1.0 | 06/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 25000 | mg/Kg DWB | 10 | 57 | 110 | 06/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 23 | mg/Kg DWB | 1 | 0.57* | 2.0 | 06/16/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.23 | mg/Kg DWB | 2 | 0.18* | | 05/04/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 24 | mg/Kg DWB | 1 | 0.57 | 2.0 | 06/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 8.4 | mg/Kg DWB | 1 | 0.53 | 1.9 | 06/08/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 20 | mg/Kg DWB | 1 | 0.22 | 0.83 | 06/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.12] | mg/Kg DWB | 1 | 0.12 | 0.35 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 20000 | mg/Kg DWB | 10 | 11 | 39 | 06/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 40 | mg/Kg DWB | 1 | 6.1 | 22 | 06/08/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 8800 | mg/Kg DWB | 10 | 57 | 110 | 06/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 380 | mg/Kg DWB | 1 | 0.12 | 0.38 | 06/08/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.097 | 0.34 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 19 | mg/Kg DWB | 1 | 1.3 | 4.8 | 06/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2700 | mg/Kg DWB | 1 | 14 | 49 | 06/07/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.5 | 5.0 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.55 | 2.0 | 06/07/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 180 | mg/Kg DWB | 1 | 1.2 | 4.5 | 06/07/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 81.7 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.8 | 6.5 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 34 | mg/Kg DWB | 1 | 0.33 | 1.2 | 06/08/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 42 | mg/Kg DWB | 1 | 0.25 | 0.76 | 06/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/08/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/11/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/02/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88931
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP127-1-3 NLS ID: 368853**
Ref. Line 1 COC 76416 Soil, NS-SOGP127-1-3 Matrix: SO
Collected: 04/26/05 09:40 Received: 04/27/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 1300 | mg/Kg DWB | 1 | 5.4 | 20 | 06/08/05 | SW846 6010 | 721026460 |
| Antimony, tot recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 4.0 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.91 | 3.2 | 06/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 15 | mg/Kg DWB | 1 | 0.13 | 0.26 | 06/08/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 2.0 | mg/Kg DWB | 2 | 0.052 | 0.18 | 06/13/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.19 | 0.70 | 06/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 770 | mg/Kg DWB | 10 | 39 | 78 | 06/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 4.2 | mg/Kg DWB | 1 | 0.39* | 1.4 | 06/16/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.15* | | 05/04/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 4.2 | mg/Kg DWB | 1 | 0.39 | 1.4 | 06/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 1.7 | mg/Kg DWB | 1 | 0.36 | 1.3 | 06/08/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 5.0 | mg/Kg DWB | 1 | 0.15 | 0.57 | 06/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.097 | 0.29 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 5500 | mg/Kg DWB | 10 | 7.2 | 27 | 06/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 4.2 | 15 | 06/08/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 770 | mg/Kg DWB | 10 | 39 | 78 | 06/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 82 | mg/Kg DWB | 1 | 0.085 | 0.26 | 06/08/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.080 | 0.28 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 4.2 | mg/Kg DWB | 1 | 0.91 | 3.3 | 06/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 160 | mg/Kg DWB | 1 | 9.3 | 34 | 06/07/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.1 | 3.7 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.38 | 1.3 | 06/07/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 41 | mg/Kg DWB | 1 | 0.85 | 3.1 | 06/07/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 98.7 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.8 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 14 | mg/Kg DWB | 1 | 0.23 | 0.83 | 06/08/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 6.2 | mg/Kg DWB | 1 | 0.17 | 0.52 | 06/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/09/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/15/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/04/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 88931
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**Client:** URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

**Project:** Xcel RIFS/25688375

**Soil, NS-SOGP127-17-18 NLS ID: 368854**
*Ref. Line 2 COC 76416 Soil, NS-SOGP127-17-18* Matrix: SO
Collected: 04/26/05 10:00 Received: 04/27/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 7700 | mg/Kg DWB | 1 | 7.1 | 27 | 06/08/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.9 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 3.9 | 06/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 56 | mg/Kg DWB | 1 | 0.17 | 0.34 | 06/08/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.59] | mg/Kg DWB | 5 | 0.17 | 0.59 | 06/13/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.25 | 0.92 | 06/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 17000 | mg/Kg DWB | 10 | 51 | 100 | 06/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 14 | mg/Kg DWB | 1 | 0.51* | 1.8 | 06/16/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.16* | | 05/04/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 14 | mg/Kg DWB | 1 | 0.51 | 1.8 | 06/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 5.5 | mg/Kg DWB | 1 | 0.48 | 1.7 | 06/08/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 9.8 | mg/Kg DWB | 1 | 0.20 | 0.75 | 06/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 140 | mg/kg DWB | 25 | 0.12 | 0.36 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 15000 | mg/Kg DWB | 10 | 9.5 | 35 | 06/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [8.1] | mg/Kg DWB | 1 | 5.5 | 20 | 06/08/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 9000 | mg/Kg DWB | 10 | 51 | 100 | 06/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 210 | mg/Kg DWB | 1 | 0.11 | 0.34 | 06/08/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.095 | 0.34 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 12 | mg/Kg DWB | 1 | 1.2 | 4.3 | 06/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1200 | mg/Kg DWB | 1 | 12 | 45 | 06/07/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.5 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.49 | 1.8 | 06/07/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 130 | mg/Kg DWB | 1 | 1.1 | 4.1 | 06/07/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 83.4 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.7 | 5.8 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 27 | mg/Kg DWB | 1 | 0.30 | 1.1 | 06/08/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 27 | mg/Kg DWB | 1 | 0.23 | 0.68 | 06/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/09/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/15/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/04/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88931
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP130-1-3 NLS ID: 368355**
Ref. Line 3 COC 76416 Soil, NS-SOGP130-1-3 Matrix: SO
Collected: 04/26/05 10:25 Received: 04/27/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 1600 | mg/Kg DWB | 1 | 5.3 | 20 | 06/08/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 0.95 | 3.4 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.75 | 2.7 | 06/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 16 | mg/Kg DWB | 1 | 0.13 | 0.25 | 06/08/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.12] | mg/Kg DWB | 2 | 0.051 | 0.18 | 06/13/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.19 | 0.68 | 06/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 870 | mg/Kg DWB | 10 | 38 | 76 | 06/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 5.4 | mg/Kg DWB | 1 | 0.38* | 1.3 | 06/16/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.15* | | 05/04/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 5.4 | mg/Kg DWB | 1 | 0.38 | 1.3 | 06/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 1.8 | mg/Kg DWB | 1 | 0.35 | 1.2 | 06/08/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 6.0 | mg/Kg DWB | 1 | 0.15 | 0.56 | 06/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.10 | 0.31 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 5900 | mg/Kg DWB | 10 | 7.1 | 26 | 06/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 4.1 | 15 | 06/08/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 980 | mg/Kg DWB | 10 | 38 | 76 | 06/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 73 | mg/Kg DWB | 1 | 0.083 | 0.25 | 06/08/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.081 | 0.29 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel tot. recoverable as Ni by ICP | 3.9 | mg/Kg DWB | 1 | 0.88 | 3.2 | 06/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 200 | mg/Kg DWB | 1 | 9.1 | 33 | 06/07/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.88 | 3.0 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.37 | 1.3 | 06/07/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 53 | mg/Kg DWB | 1 | 0.83 | 3.0 | 06/07/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 97.8 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 4.0 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 16 | mg/Kg DWB | 1 | 0.22 | 0.81 | 06/08/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 7.9 | mg/Kg DWB | 1 | 0.17 | 0.51 | 06/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/09/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/15/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/04/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 88931
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP130-4-6 NLS ID: 368856**
Ref. Line 4 COC 76416 Soil, NS-SOGP130-4-6 Matrix: SO
Collected: 04/26/05 11:00 Received: 04/27/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 7300 | mg/Kg DWB | 1 | 7.9 | 29 | 06/08/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.4 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.4] | mg/Kg DWB | 20 | 1.2 | 4.3 | 06/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 100 | mg/Kg DWB | 1 | 0.19 | 0.38 | 06/08/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 1.4 | mg/Kg DWB | 5 | 0.19 | 0.66 | 06/13/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.28 | 1.0 | 06/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 7600 | mg/Kg DWB | 10 | 57 | 110 | 06/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 8.7 | mg/Kg DWB | 1 | 0.57* | 2.0 | 06/16/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 05/04/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 8.7 | mg/Kg DWB | 1 | 0.57 | 2.0 | 06/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.6 | mg/Kg DWB | 1 | 0.53 | 1.9 | 06/08/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 35 | mg/Kg DWB | 1 | 0.22 | 0.83 | 06/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 2.2 | mg/Kg DWB | 1 | 0.13 | 0.38 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 9500 | mg/Kg DWB | 10 | 11 | 39 | 06/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 6.1 | 22 | 06/08/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 440 | mg/Kg DWB | 10 | 57 | 110 | 06/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 37 | mg/Kg DWB | 1 | 0.12 | 0.38 | 06/08/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.096 | 0.34 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 14 | mg/Kg DWB | 1 | 1.3 | 4.8 | 06/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 590 | mg/Kg DWB | 1 | 14 | 50 | 06/07/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.4 | 4.9 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.55 | 2.0 | 06/07/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 180 | mg/Kg DWB | 1 | 1.2 | 4.5 | 06/07/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 82.5 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.8 | 6.4 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 15 | mg/Kg DWB | 1 | 0.33 | 1.2 | 06/08/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 15 | mg/Kg DWB | 1 | 0.25 | 0.76 | 06/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/09/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/15/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/04/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RIFS/25688375

NLS Project: 88931
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**Soil, NS-SOGP129-1-3 NLS ID: 368857**
Ref. Line 5 COC 76416 Soil, NS-SOGP129-1-3 Matrix: SO
Collected: 04/26/05 12:00 Received: 04/27/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 1400 | mg/Kg DWB | 1 | 6.7 | 25 | 06/08/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.0 | 3.7 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.83 | 2.9 | 06/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 20 | mg/Kg DWB | 1 | 0.16 | 0.32 | 06/08/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.17] | mg/Kg DWB | 2 | 0.064 | 0.22 | 06/13/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.24 | 0.86 | 06/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 2800 | mg/Kg DWB | 10 | 48 | 96 | 06/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 4.8 | mg/Kg DWB | 1 | 0.48* | 1.7 | 06/16/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.15* | | 05/04/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 4.8 | mg/Kg DWB | 1 | 0.48 | 1.7 | 06/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 2.0 | mg/Kg DWB | 1 | 0.45 | 1.6 | 06/08/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 6.5 | mg/Kg DWB | 1 | 0.19 | 0.70 | 06/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.096 | 0.29 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 6200 | mg/Kg DWB | 10 | 8.9 | 33 | 06/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.2 | 19 | 06/08/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 1100 | mg/Kg DWB | 10 | 48 | 96 | 06/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 69 | mg/Kg DWB | 1 | 0.11 | 0.32 | 06/08/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.080 | 0.28 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 5.4 | mg/Kg DWB | 1 | 1.1 | 4.1 | 06/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 150 | mg/Kg DWB | 1 | 12 | 42 | 06/07/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.97 | 3.4 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.46 | 1.7 | 06/07/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 46 | mg/Kg DWB | 1 | 1.1 | 3.8 | 06/07/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 98.8 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.4 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 18 | mg/Kg DWB | 1 | 0.28 | 1.0 | 06/08/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 8.4 | mg/Kg DWB | 1 | 0.21 | 0.64 | 06/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/09/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/15/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/04/05 | SW846 3550B | 721026460 |

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Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RIFS/25688375

NLS Project: 88931
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

**Soil, NS-SOGP129-5-7 NLS ID: 368858**
Ref. Line 6 COC 76416 Soil, NS-SOGP129-5-7 Matrix: SO
Collected: 04/26/05 12:50 Received: 04/27/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 2900 | mg/Kg DWB | 1 | 8.0 | 30 | 06/08/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.5 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 5.0 | mg/Kg DWB | 20 | 1.2 | 4.4 | 06/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 100 | mg/Kg DWB | 1 | 0.19 | 0.38 | 06/08/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.97 | mg/Kg DWB | 5 | 0.19 | 0.66 | 06/13/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.28 | 1.0 | 06/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 4000 | mg/Kg DWB | 10 | 57 | 110 | 06/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 4.5 | mg/Kg DWB | 1 | 0.57* | 2.0 | 06/16/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.31 | mg/Kg DWB | 2 | 0.19* | | 05/04/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 4.8 | mg/Kg DWB | 1 | 0.57 | 2.0 | 06/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.9 | mg/Kg DWB | 1 | 0.53 | 1.9 | 06/08/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 9.8 | mg/Kg DWB | 1 | 0.22 | 0.84 | 06/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.12] | mg/Kg DWB | 1 | 0.12 | 0.36 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 9200 | mg/Kg DWB | 10 | 11 | 39 | 06/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 6.1 | 22 | 06/08/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 280 | mg/Kg DWB | 10 | 57 | 110 | 06/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 18 | mg/Kg DWB | 1 | 0.13 | 0.38 | 06/08/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.10 | 0.36 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 17 | mg/Kg DWB | 1 | 1.3 | 4.8 | 06/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 240 | mg/Kg DWB | 1 | 14 | 50 | 06/07/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.4 | 5.0 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.55 | 2.0 | 06/07/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 120 | mg/Kg DWB | 1 | 1.3 | 4.6 | 06/07/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 78.1 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.8 | 6.5 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 13 | mg/Kg DWB | 1 | 0.33 | 1.2 | 06/08/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 3.1 | mg/Kg DWB | 1 | 0.25 | 0.76 | 06/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/09/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/15/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/04/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 88931
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SQDUP10-0405 NLS ID: 368859**
Ref. Line 7 COC 76416 Soil, NS-SQDUP10-0405 Matrix: SO
Collected: 04/26/05 00:00 Received: 04/27/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 1300 | mg/Kg DWB | 1 | 5.1 | 19 | 06/08/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 4.0 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.90 | 3.2 | 06/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 18 | mg/Kg DWB | 1 | 0.12 | 0.24 | 06/08/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.24] | mg/Kg DWB | 5 | 0.12 | 0.43 | 06/13/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.18 | 0.66 | 06/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 1300 | mg/Kg DWB | 10 | 36 | 73 | 06/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 4.0 | mg/Kg DWB | 1 | 0.36* | 1.3 | 06/16/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.18 | mg/Kg DWB | 2 | 0.14* | | 05/04/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 4.2 | mg/Kg DWB | 1 | 0.36 | 1.3 | 06/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 1.7 | mg/Kg DWB | 1 | 0.34 | 1.2 | 06/08/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 5.9 | mg/Kg DWB | 1 | 0.14 | 0.53 | 06/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.10 | 0.31 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 5300 | mg/Kg DWB | 10 | 6.8 | 25 | 06/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 3.9 | 14 | 06/08/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 940 | mg/Kg DWB | 10 | 36 | 73 | 06/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 65 | mg/Kg DWB | 1 | 0.080 | 0.24 | 06/08/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.080 | 0.28 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 3.3 | mg/Kg DWB | 1 | 0.85 | 3.1 | 06/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 170 | mg/Kg DWB | 1 | 8.7 | 32 | 06/07/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.0 | 3.6 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.35 | 1.3 | 06/07/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 40 | mg/Kg DWB | 1 | 0.80 | 2.9 | 06/07/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 98.6 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.7 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 15 | mg/Kg DWB | 1 | 0.21 | 0.78 | 06/08/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 7.9 | mg/Kg DWB | 1 | 0.16 | 0.49 | 06/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/09/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/15/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/04/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RIFS/25688375

NLS Project: 88931
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**Soil, NS-SOGP132-1-3 NLS ID: 368860**
Ref. Line 9 COC 76416 Soil, NS-SOGP132-1-3 Matrix: SO
Collected: 04/26/05 13:15 Received: 04/27/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 1100 | mg/Kg DWB | 1 | 6.2 | 23 | 06/08/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 0.86 | 3.1 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.69 | 2.4 | 06/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 17 | mg/Kg DWB | 1 | 0.15 | 0.29 | 06/08/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.071] | mg/Kg DWB | 2 | 0.059 | 0.21 | 06/13/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.22 | 0.79 | 06/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 1100 | mg/Kg DWB | 10 | 44 | 88 | 06/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 3.6 | mg/Kg DWB | 1 | 0.44* | 1.6 | 06/16/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.18 | mg/Kg DWB | 2 | 0.15* | | 05/04/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 3.8 | mg/Kg DWB | 1 | 0.44 | 1.6 | 06/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 1.7 | mg/Kg DWB | 1 | 0.41 | 1.4 | 06/08/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 4.6 | mg/Kg DWB | 1 | 0.17 | 0.65 | 06/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.11] | mg/Kg DWB | 1 | 0.092 | 0.27 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 4800 | mg/Kg DWB | 10 | 8.2 | 31 | 06/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 4.8 | 17 | 06/08/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 820 | mg/Kg DWB | 10 | 44 | 88 | 06/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 61 | mg/Kg DWB | 1 | 0.097 | 0.29 | 06/08/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.080 | 0.28 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | [3.0] | mg/Kg DWB | 1 | 1.0 | 3.7 | 06/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 160 | mg/Kg DWB | 1 | 11 | 39 | 06/07/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.80 | 2.8 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.43 | 1.5 | 06/07/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 38 | mg/Kg DWB | 1 | 0.97 | 3.5 | 06/07/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 98.9 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.0 | 3.6 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 12 | mg/Kg DWB | 1 | 0.26 | 0.94 | 06/08/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 5.7 | mg/Kg DWB | 1 | 0.20 | 0.59 | 06/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/09/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/15/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/04/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88931
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP132-4-6 NLS ID: 368361**
Ref. Line 10 COC 76416 Soil, NS-SOGP132-4-6 Matrix: SO
Collected: 04/26/05 13:45 Received: 04/27/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 12000 | mg/Kg DWB | 1 | 6.9 | 26 | 06/08/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [2.0] | mg/Kg DWB | 20 | 1.6 | 5.6 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.2] | mg/Kg DWB | 20 | 1.3 | 4.4 | 06/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 97 | mg/Kg DWB | 1 | 0.17 | 0.33 | 06/08/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.55] | mg/Kg DWB | 5 | 0.17 | 0.58 | 06/13/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.24 | 0.89 | 06/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 8600 | mg/Kg DWB | 10 | 50 | 99 | 06/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 24 | mg/Kg DWB | 1 | 0.50* | 1.8 | 06/16/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.22 | mg/Kg DWB | 2 | 0.18* | | 05/04/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 24 | mg/Kg DWB | 1 | 0.50 | 1.8 | 06/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.0 | mg/Kg DWB | 1 | 0.46 | 1.6 | 06/08/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 13 | mg/Kg DWB | 1 | 0.20 | 0.73 | 06/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 2.5 | mg/Kg DWB | 1 | 0.13 | 0.39 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 17000 | mg/Kg DWB | 10 | 9.3 | 34 | 06/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [19] | mg/Kg DWB | 1 | 5.4 | 20 | 06/08/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 5600 | mg/Kg DWB | 10 | 50 | 99 | 06/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 260 | mg/Kg DWB | 1 | 0.11 | 0.33 | 06/08/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | [0.11] | mg/Kg DWB | 1 | 0.099 | 0.35 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 16 | mg/Kg DWB | 1 | 1.2 | 4.2 | 06/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1700 | mg/Kg DWB | 1 | 12 | 43 | 06/07/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.5 | 5.1 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.48 | 1.7 | 06/07/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 92 | mg/Kg DWB | 1 | 1.1 | 4.0 | 06/07/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 79.8 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.9 | 6.6 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 37 | mg/Kg DWB | 1 | 0.29 | 1.1 | 06/08/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 41 | mg/Kg DWB | 1 | 0.22 | 0.66 | 06/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/09/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/15/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/04/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 88931
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP135-1-3 MS/MSD NLS ID: 368862**
Ref. Line 1 COC 76417 Soil, NS-SOGP135-1-3 MS/MSD Matrix: SO
Collected: 04/26/05 14:15 Received: 04/27/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 1200 | mg/Kg DWB | 1 | 6.4 | 24 | 06/08/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.4 | 06/14/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.98 | 3.5 | 06/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 19 | mg/Kg DWB | 1 | 0.15 | 0.30 | 06/08/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.11] | mg/Kg DWB | 2 | 0.061 | 0.21 | 06/13/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.23 | 0.82 | 06/08/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 830 | mg/Kg DWB | 10 | 46 | 91 | 06/11/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 5.6 | mg/Kg DWB | 1 | 0.46* | 1.6 | 06/16/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.14* | | 05/04/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 5.6 | mg/Kg DWB | 1 | 0.46 | 1.6 | 06/08/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 1.6 | mg/Kg DWB | 1 | 0.43 | 1.5 | 06/08/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 4.2 | mg/Kg DWB | 1 | 0.18 | 0.67 | 06/08/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.093 | 0.28 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 5800 | mg/Kg DWB | 10 | 8.5 | 32 | 06/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 4.9 | 18 | 06/08/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 740 | mg/Kg DWB | 10 | 46 | 91 | 06/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 62 | mg/Kg DWB | 1 | 0.10 | 0.30 | 06/08/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.079 | 0.28 | 05/11/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | [2.7] | mg/Kg DWB | 1 | 1.1 | 3.9 | 06/08/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 170 | mg/Kg DWB | 1 | 11 | 40 | 06/07/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.0 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.44 | 1.6 | 06/07/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 36 | mg/Kg DWB | 1 | 1.0 | 3.7 | 06/07/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 99.8 | % | 1 | 0.10* | | 04/27/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.2 | 06/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 17 | mg/Kg DWB | 1 | 0.27 | 0.98 | 06/08/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 5.8 | mg/Kg DWB | 1 | 0.20 | 0.61 | 06/08/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 04/28/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/09/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/15/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/04/05 | SW846 3550B | 721026460 |

**Soil, NS-SQMeOH Blank 7-0405 NLS ID: 368863**
Ref. Line 2 COC 76417 Soil, NS-SQMeOH Blank 7-0405 Matrix: TB
Collected: 04/26/05 00:00 Received: 04/27/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/08/05 | SW846 8260 | 721026460 |

**Soil, NS-SQMeOH Blank 8-0405 NLS ID: 368864**
Ref. Line 3 COC 76417 Soil, NS-SQMeOH Blank 8-0405 Matrix: TB
Collected: 04/26/05 00:00 Received: 04/27/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/09/05 | SW846 8260 | 721026460 |

NORTHERN LAKE SERVICE, INC.
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RIFS/25688375

NLS Project: 88931
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 06/17/2005 11:32**

**Sample: 368843** **Soil, NS-SOGP119-1-3** **Collected: 04/25/05** **Analyzed: 05/11/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 64% | | | | |
| Phenol-d5 (SURR**) | 66% | | | | |
| Nitrobenzene-d5 (SURR**) | 61% | | | | |
| 2-Fluorobiphenyl (SURR**) | 72% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 77% | | | | |
| Terphenyl-d14 (SURR**) | 64% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/17/2005 11:32**

**Sample: 368844** **Soil, NS-SOGP1 19-4-6** **Collected: 04/25/05** **Analyzed: 05/11/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 59% | | | | |
| Phenol-d5 (SURR**) | 60% | | | | |
| Nitrobenzene-d5 (SURR**) | 58% | | | | |
| 2-Fluorobiphenyl (SURR**) | 68% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 79% | | | | |
| Terphenyl-d14 (SURR**) | 63% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 06/17/2005 11:32**

**Sample: 368845** **Soil, NS-SOGP124-1-3** **Collected: 04/25/05** **Analyzed: 05/11/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 66% | | | | |
| Phenol-d5 (SURR**) | 67% | | | | |
| Nitrobenzene-d5 (SURR**) | 64% | | | | |
| 2-Fluorobiphenyl (SURR**) | 74% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 80% | | | | |
| Terphenyl-d14 (SURR**) | 64% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 06/17/2005 11:32**

**Sample: 368846** **Soil, NS-SOGP1.24-6-8** **Collected: 04/25/05** **Analyzed: 05/11/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 20 | 650 | 2200 |
| Acenaphthylene | [1300] | ug/Kg | 20 | 610 | 2000 |
| Anthracene | ND | ug/Kg | 20 | 770 | 2600 |
| Benzo[a]anthracene | ND | ug/Kg | 20 | 680 | 2300 |
| Benzo[a]pyrene | [1500] | ug/Kg | 20 | 680 | 2300 |
| Benzo[b]fluoranthene | [1700] | ug/Kg | 20 | 750 | 2500 |
| Benzo[g,h,i]perylene | [1700] | ug/Kg | 20 | 650 | 2200 |
| Benzo[k]fluoranthene | ND | ug/Kg | 20 | 760 | 2500 |
| Chrysene | ND | ug/Kg | 20 | 710 | 2400 |
| D benzo[a,h]anthracene | ND | ug/Kg | 20 | 680 | 2300 |
| D benzofuran | ND | ug/Kg | 20 | 630 | 2100 |
| Fluoranthene | ND | ug/Kg | 20 | 750 | 2500 |
| Fluorene | ND | ug/Kg | 20 | 650 | 2200 |
| Indeno[1,2,3-cd]pyrene | [1300] | ug/Kg | 20 | 620 | 2100 |
| 1-Methylnaphthalene | ND | ug/Kg | 20 | 630 | 2100 |
| 2-Methylnaphthalene | ND | ug/Kg | 20 | 620 | 2100 |
| 2-Methylphenol | ND | ug/Kg | 20 | 520 | 1700 |
| 3 & 4-Methylphenol | ND | ug/Kg | 20 | 1100 | 3900 |
| Naphthalene | ND | ug/Kg | 20 | 610 | 2000 |
| Phenanthrene | ND | ug/Kg | 20 | 730 | 2400 |
| Phenol | ND | ug/Kg | 20 | 560 | 1900 |
| Pyrene | [1400] | ug/Kg | 20 | 710 | 2400 |
| Benzo[e]pyrene | [1400] | ug/Kg | 20 | 760 | 2500 |
| 2-Fluorophenol (SURR**) | 86% | | | | |
| Phenol-d5 (SURR**) | 86% | | | | |
| Nitrobenzene-d5 (SURR**) | 75% | | | | |
| 2-Fluorobiphenyl (SURR**) | 88% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 84% | | | | |
| Terphenyl-d14 (SURR**) | 72% | | | | |

10 mL final extract volume.
Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.
Sample was diluted due to non-target compounds.
Reanalysis at a lower dilution is not possible due to sample matrix.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/17/2005 11:32**

**Sample: 368847** **Soil, NS-SOGP126-1-3** **Collected: 04/25/05** **Analyzed: 05/11/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 65% | | | | |
| Phenol-d5 (SURR**) | 67% | | | | |
| Nitrobenzene-d5 (SURR**) | 65% | | | | |
| 2-Fluorobiphenyl (SURR**) | 75% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 80% | | | | |
| Terphenyl-d14 (SURR**) | 66% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 06/17/2005 11:32**

**Sample: 368848** **Soil, NS-SOGP1:6-6-8** **Collected: 04/25/05** **Analyzed: 05/11/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | [56] | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | [66] | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 20% | | | | |
| Phenol-d5 (SURR**) | 26% | | | | |
| Nitrobenzene-d5 (SURR**) | 61% | | | | |
| 2-Fluorobiphenyl (SURR**) | 68% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 22% | | | | |
| Terphenyl-d14 (SURR**) | 53% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.
Surrogate recoveries for 2-Fluorophenol, Phenol-d5, and 2,4,6-Tribromophenol were outside QC limits due to sample matrix.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**
**Project Description: Xcel RIFS/25688375**
***Project Title:*** ***Template: 8270SNSP Printed: 06/17/2005 11:32***

**Sample: 368849 Soil, NS-SQDUP09-0405** **Collected: 04/25/05** **Analyzed: 05/11/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 67% | | | | |
| Phenol-d5 (SURR**) | 67% | | | | |
| Nitrobenzene-d5 (SURR**) | 65% | | | | |
| 2-Fluorobiphenyl (SURR**) | 74% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 78% | | | | |
| Terphenyl-d14 (SURR**) | 65% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**
**Project Description: Xcel RIFS /25688375**
**Project Title:** **Template: 8270SNSP Printed: 06/17/2005 11:32**

**Sample: 368850 Soil, NS-SOGP1 25-1-3** **Collected: 04/26/05** **Analyzed: 05/11/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 68% | | | | |
| Phenol-d5 (SURR**) | 68% | | | | |
| Nitrobenzene-d5 (SURR**) | 64% | | | | |
| 2-Fluorobiphenyl (SURR**) | 75% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 82% | | | | |
| Terphenyl-d14 (SURR**) | 67% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 06/17/2005 11:32**

**Sample: 368851** **Soil, NS-SOGP125-9-11** **Collected: 04/26/05** **Analyzed: 05/11/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [12000] | ug/Kg | 200 | 6500 | 22000 |
| Acenaphthylene | 110000 | ug/Kg | 200 | 6100 | 20000 |
| Anthracene | 33000 | ug/Kg | 200 | 7700 | 26000 |
| Benzo[a]anthracene | [20000] | ug/Kg | 200 | 6800 | 23000 |
| Benzo[a]pyrene | [16000] | ug/Kg | 200 | 6800 | 23000 |
| Benzo[b]fluoranthene | [14000] | ug/Kg | 200 | 7500 | 25000 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 200 | 6500 | 22000 |
| Benzo[k]fluoranthene | ND | ug/Kg | 200 | 7600 | 25000 |
| Chrysene | [17000] | ug/Kg | 200 | 7100 | 24000 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 200 | 6800 | 23000 |
| Dibenzofuran | [18000] | ug/Kg | 200 | 6300 | 21000 |
| Fluoranthene | 36000 | ug/Kg | 200 | 7500 | 25000 |
| Fluorene | 46000 | ug/Kg | 200 | 6500 | 22000 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 200 | 6200 | 21000 |
| 1-Methylnaphthalene | 290000 | ug/Kg | 200 | 6300 | 21000 |
| 2-Methylnaphthalene | 500000 | ug/Kg | 500 | 16000 | 52000 |
| 2-Methylphenol | ND | ug/Kg | 200 | 5200 | 17000 |
| 3 & 4-Methylphenol | ND | ug/Kg | 200 | 11000 | 39000 |
| Naphthalene | 700000 | ug/Kg | 500 | 15000 | 51000 |
| Phenanthrene | 110000 | ug/Kg | 200 | 7300 | 24000 |
| Phenol | ND | ug/Kg | 200 | 5600 | 19000 |
| Pyrene | 50000 | ug/Kg | 200 | 7100 | 24000 |
| Benzo[e]pyrene | ND | ug/Kg | 200 | 7600 | 25000 |
| 2-Fluorophenol (SURR**) | 88% | | | | |
| Phenol-d5 (SURR**) | 74% | | | | |
| Nitrobenzene-d5 (SURR**) | 75% | | | | |
| 2-Fluorobiphenyl (SURR**) | 80% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 58% | | | | |
| Terphenyl-d14 (SURR**) | 70% | | | | |

10 mL final extract volume.

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/17/2005 11:32**

**Sample: 368852** **Soil, NS-SOGP 25-12-14** **Collected: 04/26/05** **Analyzed: 05/11/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 25 | 810 | 2700 |
| Acenaphthylene | 4700 | ug/Kg | 25 | 770 | 2600 |
| Anthracene | ND | ug/Kg | 25 | 960 | 3200 |
| Benzo[a]anthracene | ND | ug/Kg | 25 | 860 | 2900 |
| Benzo[a]pyrene | ND | ug/Kg | 25 | 850 | 2800 |
| Benzo[b]fluoranthene | ND | ug/Kg | 25 | 940 | 3100 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 25 | 810 | 2700 |
| Benzo[k]fluoranthene | ND | ug/Kg | 25 | 950 | 3200 |
| Chrysene | ND | ug/Kg | 25 | 890 | 3000 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 25 | 850 | 2800 |
| Dibenzofuran | ND | ug/Kg | 25 | 790 | 2600 |
| Fluoranthene | [1300] | ug/Kg | 25 | 940 | 3100 |
| Fluorene | [1700] | ug/Kg | 25 | 810 | 2700 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 25 | 780 | 2600 |
| 1-Methylnaphthalene | 12000 | ug/Kg | 25 | 790 | 2600 |
| 2-Methylnaphthalene | 20000 | ug/Kg | 25 | 780 | 2600 |
| 2-Methylphenol | ND | ug/Kg | 25 | 650 | 2200 |
| 3 & 4-Methylphenol | ND | ug/Kg | 25 | 1400 | 4800 |
| Naphthalene | 41000 | ug/Kg | 25 | 770 | 2600 |
| Phenanthrene | 4100 | ug/Kg | 25 | 920 | 3100 |
| Phenol | [910] | ug/Kg | 25 | 700 | 2300 |
| Pyrene | [2100] | ug/Kg | 25 | 890 | 3000 |
| Benzo[e]pyrene | ND | ug/Kg | 25 | 950 | 3200 |
| 2-Fluorophenol (SURR**) | 63% | | | | |
| Phenol-d5 (SURR**) | 74% | | | | |
| Nitrobenzene-d5 (SURR**) | 65% | | | | |
| 2-Fluorobiphenyl (SURR**) | 71% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 35% | | | | |
| Terphenyl-d14 (SURR**) | 62% | | | | |

10 mL final extract volume.

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP Printed: 06/17/2005 11:32**

**Sample: 368853** **Soil, NS-SOGP127-1-3** **Collected: 04/26/05** **Analyzed: 05/15/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 51% | | | | |
| Phenol-d5 (SURR**) | 57% | | | | |
| Nitrobenzene-d5 (SURR**) | 59% | | | | |
| 2-Fluorobiphenyl (SURR**) | 71% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 69% | | | | |
| Terphenyl-d14 (SURR**) | 67% | | | | |

Matrix spike and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.
Laboratory control spike and laboratory control spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP Printed: 06/17/2005 11:32**

**Sample: 368854 Soil, NS-SOGP..27-17-18** **Collected: 04/26/05** **Analyzed: 05/15/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [430] | ug/Kg | 10 | 320 | 1100 |
| Acenaphthylene | 3500 | ug/Kg | 10 | 310 | 1000 |
| Anthracene | [1100] | ug/Kg | 10 | 380 | 1300 |
| Benzo[a]anthracene | [600] | ug/Kg | 10 | 340 | 1100 |
| Benzo[a]pyrene | [440] | ug/Kg | 10 | 340 | 1100 |
| Benzo[b]fluoranthene | ND | ug/Kg | 10 | 380 | 1300 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 10 | 330 | 1100 |
| Benzo[k]fluoranthene | ND | ug/Kg | 10 | 380 | 1300 |
| Chrysene | [510] | ug/Kg | 10 | 360 | 1200 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 10 | 340 | 1100 |
| Dibenzofuran | [590] | ug/Kg | 10 | 320 | 1100 |
| Fluoranthene | 1200 | ug/Kg | 10 | 370 | 1200 |
| Fluorene | 1600 | ug/Kg | 10 | 320 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 10 | 310 | 1000 |
| 1-Methylnaphthalene | 7100 | ug/Kg | 10 | 320 | 1100 |
| 2-Methylnaphthalene | 11000 | ug/Kg | 10 | 310 | 1000 |
| 2-Methylphenol | ND | ug/Kg | 10 | 260 | 870 |
| 3 & 4-Methylphenol | ND | ug/Kg | 10 | 550 | 1900 |
| Naphthalene | 12000 | ug/Kg | 10 | 310 | 1000 |
| Phenanthrene | 3600 | ug/Kg | 10 | 370 | 1200 |
| Phenol | [350] | ug/Kg | 10 | 280 | 940 |
| Pyrene | 1500 | ug/Kg | 10 | 360 | 1200 |
| Benzo[e]pyrene | ND | ug/Kg | 10 | 380 | 1300 |
| 2-Fluorophenol (SURR**) | 82% | | | | |
| Phenol-d5 (SURR**) | 86% | | | | |
| Nitrobenzene-d5 (SURR**) | 79% | | | | |
| 2-Fluorobiphenyl (SURR**) | 97% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 83% | | | | |
| Terphenyl-d14 (SURR**) | 81% | | | | |

10 mL final extract volume.

Laboratory control spike and laboratory control spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

Matrix spike and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 06/17/2005 11:32**

***Sample: 368855*** ***Soil, NS-SOGP130-1-3*** ***Collected: 04/26/05*** ***Analyzed: 05/15/05 -***

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 55% | | | | |
| Phenol-d5 (SURR**) | 57% | | | | |
| Nitrobenzene-d5 (SURR**) | 58% | | | | |
| 2-Fluorobiphenyl (SURR**) | 69% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 73% | | | | |
| Terphenyl-d14 (SURR**) | 66% | | | | |

Matrix spike and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.
Laboratory control spike and laboratory control spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 06/17/2005 11:32**

**Sample: 368856** **Soil, NS-SOGP1[illegible]0-4-6** **Collected: 04/26/05** **Analyzed: 05/15/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | 100 | ug/Kg | 1 | 31 | 100 |
| Anthracene | [66] | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | 300 | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | 260 | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | 320 | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | 120 | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | [110] | ug/Kg | 1 | 38 | 130 |
| Chrysene | 300 | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | 440 | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | [95] | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | 120 | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | 140 | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | 210 | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | 410 | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | 630 | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | 180 | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 27% | | | | |
| Phenol-d5 (SURR**) | 37% | | | | |
| Nitrobenzene-d5 (SURR**) | 63% | | | | |
| 2-Fluorobiphenyl (SURR**) | 72% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 36% | | | | |
| Terphenyl-d14 (SURR**) | 63% | | | | |

Surrogate recoveries for 2-Fluorophenol and Phenol-d5 were outside QC limits due to sample matrix.
Matrix spike and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.
Laboratory control spike and laboratory control spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 06/17/2005 11:32**

**Sample: 368857** **Soil, NS-SOGP129-1-3** **Collected: 04/26/05** **Analyzed: 05/15/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | [38] | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | [46] | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 54% | | | | |
| Phenol-d5 (SURR**) | 58% | | | | |
| Nitrobenzene-d5 (SURR**) | 59% | | | | |
| 2-Fluorobiphenyl (SURR**) | 69% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 71% | | | | |
| Terphenyl-d14 (SURR**) | 66% | | | | |

Matrix spike and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.
Laboratory control spike and laboratory control spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 06/17/2005 11:32**

**Sample: 368858** **Soil, NS-SOGP1 29-5-7** **Collected: 04/26/05** **Analyzed: 05/15/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | 110 | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | [97] | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | [49] | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | 130 | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 23% | | | | |
| Phenol-d5 (SURR**) | 31% | | | | |
| Nitrobenzene-d5 (SURR**) | 59% | | | | |
| 2-Fluorobiphenyl (SURR**) | 68% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 32% | | | | |
| Terphenyl-d14 (SURR**) | 58% | | | | |

Additional non-target compounds present.
Matrix spike and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.
Laboratory control spike and laboratory control spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.
Surrogate recoveries for 2-Fluorophenol and Phenol-d5 were outside QC limits due to sample matrix.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 06/17/2005 11:32**

**Sample: 368859** **Soil, NS-SQDUP10-0405** **Collected: 04/26/05** **Analyzed: 05/15/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 61% | | | | |
| Phenol-d5 (SURR**) | 61% | | | | |
| Nitrobenzene-d5 (SURR**) | 59% | | | | |
| 2-Fluorobiphenyl (SURR**) | 70% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 82% | | | | |
| Terphenyl-d14 (SURR**) | 70% | | | | |

Matrix spike and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.
Laboratory control spike and laboratory control spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**
**Project Description: Xcel RIFS 25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 06/17/2005 11:32**

**Sample: 368860** **Soil, NS-SOGP132-1-3** **Collected: 04/26/05** **Analyzed: 05/15/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 59% | | | | |
| Phenol-d5 (SURR**) | 61% | | | | |
| Nitrobenzene-d5 (SURR**) | 60% | | | | |
| 2-Fluorobiphenyl (SURR**) | 71% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 80% | | | | |
| Terphenyl-d14 (SURR**) | 70% | | | | |

Matrix spike and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.
Laboratory control spike and laboratory control spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 06/17/2005 11:32**

**Sample: 368861** **Soil, NS-SOGP132-4-6** **Collected: 04/26/05** **Analyzed: 05/15/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 10 | 320 | 1100 |
| Acenaphthylene | 2200 | ug/Kg | 10 | 310 | 1000 |
| Anthracene | [790] | ug/Kg | 10 | 380 | 1300 |
| Benzo[a]anthracene | 1600 | ug/Kg | 10 | 340 | 1100 |
| Benzo[a]pyrene | 3200 | ug/Kg | 10 | 340 | 1100 |
| Benzo[b]fluoranthene | 2700 | ug/Kg | 10 | 380 | 1300 |
| Benzo[g,h,i]perylene | [960] | ug/Kg | 10 | 330 | 1100 |
| Benzo[k]fluoranthene | [1000] | ug/Kg | 10 | 380 | 1300 |
| Chrysene | 1400 | ug/Kg | 10 | 360 | 1200 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 10 | 340 | 1100 |
| Dibenzofuran | ND | ug/Kg | 10 | 320 | 1100 |
| Fluoranthene | 1400 | ug/Kg | 10 | 370 | 1200 |
| Fluorene | [630] | ug/Kg | 10 | 320 | 1100 |
| Indeno[1,2,3-cd]pyrene | [800] | ug/Kg | 10 | 310 | 1000 |
| 1-Methylnaphthalene | 1400 | ug/Kg | 10 | 320 | 1100 |
| 2-Methylnaphthalene | 2100 | ug/Kg | 10 | 310 | 1000 |
| 2-Methylphenol | ND | ug/Kg | 10 | 260 | 870 |
| 3 & 4-Methylphenol | ND | ug/Kg | 10 | 550 | 1900 |
| Naphthalene | 2200 | ug/Kg | 10 | 310 | 1000 |
| Phenanthrene | 1700 | ug/Kg | 10 | 370 | 1200 |
| Phenol | ND | ug/Kg | 10 | 280 | 940 |
| Pyrene | 2100 | ug/Kg | 10 | 360 | 1200 |
| Benzo[e]pyrene | 1500 | ug/Kg | 10 | 380 | 1300 |
| 2-Fluorophenol (SURR**) | 41% | | | | |
| Phenol-d5 (SURR**) | 43% | | | | |
| Nitrobenzene-d5 (SURR**) | 37% | | | | |
| 2-Fluorobiphenyl (SURR**) | 43% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 42% | | | | |
| Terphenyl-d14 (SURR**) | 41% | | | | |

10 mL final extract volume.

Laboratory control spike and laboratory control spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

Matrix spike and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**
**Project Description: Xcel RIFS 25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 06/17/2005 11:32**

**Sample: 368862** **Soil, NS-SOGP135-1-3 MS/MSD** **Collected: 04/26/05** **Analyzed: 05/15/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 63% | | | | |
| Phenol-d5 (SURR**) | 62% | | | | |
| Nitrobenzene-d5 (SURR**) | 61% | | | | |
| 2-Fluorobiphenyl (SURR**) | 71% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 83% | | | | |
| Terphenyl-d14 (SURR**) | 72% | | | | |

Matrix spike and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.
Laboratory control spike and laboratory control spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

** Surrogates are used to evaluate a method's Quality Control.

# ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: SAT2SNSP** **Printed: 06/17/2005 11:32**

**Sample: 368843** **Soil, NS-SOGP119-1-3** **Collected: 04/25/05** **Analyzed: 05/08/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 109% | | | | |
| Toluene-d8 (SURR**) | 124% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 107% | | | | |

**Sample: 368844** **Soil, NS-SOGP119-4-6** **Collected: 04/25/05** **Analyzed: 05/08/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 108% | | | | |
| Toluene-d8 (SURR**) | 116% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 104% | | | | |

**Sample: 368845** **Soil, NS-SOGP124-1-3** **Collected: 04/25/05** **Analyzed: 05/08/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 109% | | | | |
| Toluene-d8 (SURR**) | 118% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 111% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**

**Project Description: Xcel RIFS 25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 06/17/2005 11:32**

**Sample: 368846** **Soil, NS-SOGP124-6-8** **Collected: 04/25/05** **Analyzed: 05/08/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 1100 | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | 82 | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | 53 | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 420 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | [37] | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | 130 | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 110% | | | | |
| Toluene-d8 (SURR**) | 116% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 109% | | | | |

**Sample: 368847** **Soil, NS-SOGP126-1-3** **Collected: 04/25/05** **Analyzed: 05/08/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 101% | | | | |
| Toluene-d8 (SURR**) | 112% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 106% | | | | |

**Sample: 368848** **Soil, NS-SOGP126-6-8** **Collected: 04/25/05** **Analyzed: 05/08/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [21] | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [21] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 110% | | | | |
| Toluene-d8 (SURR**) | 120% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 112% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 06/17/2005 11:32**

**Sample: 368849** **Soil, NS-SQDUP09-0405** **Collected: 04/25/05** **Analyzed: 05/08/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [18] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 102% | | | | |
| Toluene-d8 (SURR**) | 115% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

**Sample: 368850** **Soil, NS-SOGP125-1-3** **Collected: 04/26/05** **Analyzed: 05/08/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 58 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 105% | | | | |
| Toluene-d8 (SURR**) | 116% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 108% | | | | |

**Sample: 368851** **Soil, NS-SOGP125-9-11** **Collected: 04/26/05** **Analyzed: 05/08/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 11000 | ug/kg | 20 | 300 | 1000 |
| sec-Butylbenzene | ND | ug/kg | 20 | 390 | 1300 |
| Ethylbenzene | 40000 | ug/kg | 20 | 310 | 1000 |
| ortho-Xylene | 24000 | ug/kg | 20 | 250 | 850 |
| Styrene | 16000 | ug/kg | 20 | 350 | 1200 |
| Toluene | 29000 | ug/kg | 20 | 210 | 670 |
| 1,2,4-Trimethylbenzene | 34000 | ug/kg | 20 | 290 | 980 |
| 1,3,5-Trimethylbenzene | 9500 | ug/kg | 20 | 330 | 1100 |
| meta,para-Xylene | 52000 | ug/kg | 20 | 500 | 1800 |
| 1,2,3-Trimethylbenzene | 11000 | ug/kg | 20 | 380 | 1300 |
| Dibromofluoromethane (SURR**) | 101% | | | | |
| Toluene-d8 (SURR**) | 111% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 108% | | | | |

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**
**Project Description: Xcel RIFS 25688375**
**Project Title:** **Template: SAT2SNSP** **Printed: 06/17/2005 11:32**

**Sample: 368852** **Soil, NS-SOGP125-12-14** **Collected: 04/26/05** **Analyzed: 05/08/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 9100 | ug/kg | 10 | 150 | 510 |
| sec-Butylbenzene | ND | ug/kg | 10 | 190 | 640 |
| Ethylbenzene | 2500 | ug/kg | 10 | 150 | 520 |
| ortho-Xylene | 3100 | ug/kg | 10 | 130 | 420 |
| Styrene | 7500 | ug/kg | 10 | 170 | 580 |
| Toluene | 13000 | ug/kg | 10 | 110 | 340 |
| 1,2,4-Trimethylbenzene | 3300 | ug/kg | 10 | 150 | 490 |
| 1,3,5-Trimethylbenzene | 950 | ug/kg | 10 | 160 | 550 |
| meta,para-Xylene | 6800 | ug/kg | 10 | 250 | 890 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 10 | 190 | 630 |
| Dibromofluoromethane (SURR**) | 98% | | | | |
| Toluene-d8 (SURR**) | 110% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 98% | | | | |

**Sample: 368853** **Soil, NS-SOGP127-1-3** **Collected: 04/26/05** **Analyzed: 05/09/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 350 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 117% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

**Sample: 368854** **Soil, NS-SOGP127-17-18** **Collected: 04/26/05** **Analyzed: 05/09/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 7400 | ug/kg | 8 | 120 | 410 |
| sec-Butylbenzene | ND | ug/kg | 8 | 150 | 510 |
| Ethylbenzene | 1100 | ug/kg | 8 | 120 | 410 |
| ortho-Xylene | 2100 | ug/kg | 8 | 100 | 340 |
| Styrene | 5000 | ug/kg | 8 | 140 | 460 |
| Toluene | 8900 | ug/kg | 8 | 84 | 270 |
| 1,2,4-Trimethylbenzene | 2800 | ug/kg | 8 | 120 | 390 |
| 1,3,5-Trimethylbenzene | 780 | ug/kg | 8 | 130 | 440 |
| meta,para-Xylene | 4600 | ug/kg | 8 | 200 | 710 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 8 | 150 | 500 |
| Dibromofluoromethane (SURR**) | 108% | | | | |
| Toluene-d8 (SURR**) | 117% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 117% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 06/17/2005 11:32**

**Sample: 368855** **Soil, NS-SOGP130-1-3** **Collected: 04/26/05** **Analyzed: 05/09/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 270 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 101% | | | | |
| Toluene-d8 (SURR**) | 113% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 106% | | | | |

**Sample: 368856** **Soil, NS-SOGP130-4-6** **Collected: 04/26/05** **Analyzed: 05/09/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 130 | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | [35] | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | 57 | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 510 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | 59 | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | [22] | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | 140 | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 96% | | | | |
| Toluene-d8 (SURR**) | 108% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

**Sample: 368857** **Soil, NS-SOGP129-1-3** **Collected: 04/26/05** **Analyzed: 05/09/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 1400 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 107% | | | | |
| Toluene-d8 (SURR**) | 116% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 110% | | | | |

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**
**Project Description: Xcel RIFS 25688375**
**Project Title:** **Template: SAT2SNSP** **Printed: 06/17/2005 11:32**

**Sample: 368858** **Soil, NS-SOGP129-5-7** **Collected: 04/26/05** **Analyzed: 05/09/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [43] | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 140 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 105% | | | | |
| Toluene-d8 (SURR**) | 112% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 98% | | | | |

**Sample: 368859** **Soil, NS-SQDUP10-0405** **Collected: 04/26/05** **Analyzed: 05/09/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 380 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 99% | | | | |
| Toluene-d8 (SURR**) | 109% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 98% | | | | |

**Sample: 368860** **Soil, NS-SOGP132-1-3** **Collected: 04/26/05** **Analyzed: 05/09/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 112% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 06/17/2005 11:32**

**Sample: 368861** **Soil, NS-SOGP132-4-6** **Collected: 04/26/05** **Analyzed: 05/09/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 320 | ug/kg | 5 | 76 | 250 |
| sec-Butylbenzene | ND | ug/kg | 5 | 96 | 320 |
| Ethylbenzene | 740 | ug/kg | 5 | 77 | 260 |
| ortho-Xylene | 960 | ug/kg | 5 | 64 | 210 |
| Styrene | ND | ug/kg | 5 | 86 | 290 |
| Toluene | 630 | ug/kg | 5 | 53 | 170 |
| 1,2,4-Trimethylbenzene | 3500 | ug/kg | 5 | 73 | 250 |
| 1,3,5-Trimethylbenzene | 960 | ug/kg | 5 | 82 | 270 |
| meta,para-Xylene | 1800 | ug/kg | 5 | 130 | 440 |
| 1,2,3-Trimethylbenzene | 1300 | ug/kg | 5 | 94 | 320 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 111% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

Sample was diluted due to a high level of Naphthalene.

**Sample: 368862** **Soil, NS-SOGP135-1-3 MS/MSD** **Collected: 04/26/05** **Analyzed: 05/09/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [21] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 101% | | | | |
| Toluene-d8 (SURR**) | 114% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 106% | | | | |

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88931**
**Project Description: Xcel RIFS 25688375**
**Project Title:** **Template: SAT2SNSP** **Printed: 06/17/2005 11:32**

**Sample: 368863** **Soil, NS-SQMeOH Blank 7-0405** **Collected: 04/26/05** **Analyzed: 05/08/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 98% | | | | |
| Toluene-d8 (SURR**) | 112% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

**Sample: 368864** **Soil, NS-SQMeOH Blank 8-0405** **Collected: 04/26/05** **Analyzed: 05/09/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [11] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 102% | | | | |
| Toluene-d8 (SURR**) | 114% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 105% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

**NORTHERN LAKE SERVICE, INC.**
*Analytical Laboratory and Environmental Services*
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
*WDATCP Laboratory Certification No. 105-330*
EPA Laboratory ID No. WI00034



**Client:** URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 89004
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

***Project:*** *Xcel RIFS/25688375*

**Soil, NS-SOGP136-1-3 NLS ID: 369084**
Ref. Line 1 COC 76418 Soil, NS-SOGP136-1-3 Matrix: SO
Collected: 04/26/05 14:50 Received: 04/28/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 1600 | mg/Kg DWB | 1 | 6.2 | 23 | 06/15/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 0.89 | 3.2 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.71 | 2.5 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 22 | mg/Kg DWB | 1 | 0.15 | 0.30 | 06/15/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.11] | mg/Kg DWB | 2 | 0.059 | 0.21 | 06/16/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.22 | 0.80 | 06/14/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 1700 | mg/Kg DWB | 10 | 44 | 89 | 06/16/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 3.7 | mg/Kg DWB | 1 | 0.44* | 1.6 | 06/20/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.28 | mg/Kg DWB | 2 | 0.16* | | 05/10/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 4.0 | mg/Kg DWB | 1 | 0.44 | 1.6 | 06/14/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 1.6 | mg/Kg DWB | 1 | 0.41 | 1.5 | 06/15/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 7.2 | mg/Kg DWB | 1 | 0.17 | 0.65 | 06/14/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.15] | mg/Kg DWB | 1 | 0.11 | 0.33 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 5500 | mg/Kg DWB | 10 | 8.3 | 31 | 06/16/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 4.8 | 17 | 06/15/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 1300 | mg/Kg DWB | 10 | 44 | 89 | 06/16/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 84 | mg/Kg DWB | 1 | 0.098 | 0.30 | 06/15/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.081 | 0.29 | 05/16/05 | SW846 7470A | 721026460 |
| | Check standard recovery was outside QC limits for Hg at 89%. | | | | | | | |
| Nickel, tot. recoverable as Ni by ICP | 3.8 | mg/Kg DWB | 1 | 1.0 | 3.8 | 06/14/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 200 | mg/Kg DWB | 1 | 11 | 39 | 06/13/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.83 | 2.9 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.43 | 1.5 | 06/13/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 62 | mg/Kg DWB | 1 | 0.98 | 3.6 | 06/13/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 97.7 | % | 1 | 0.10* | | 04/28/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 3.7 | 06/14/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 13 | mg/Kg DWB | 1 | 0.26 | 0.95 | 06/15/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 7.3 | mg/Kg DWB | 1 | 0.20 | 0.59 | 06/14/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/11/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/17/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/06/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 89004
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP136-4-6 NLS ID: 369085**
Ref. Line 2 COC 76418 Soil, NS-SOGP136-4-6 Matrix: SO
Collected: 04/26/05 15:10 Received: 04/28/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 16000 | mg/Kg DWB | 1 | 7.9 | 29 | 06/15/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 0.94 | 3.3 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.0] | mg/Kg DWB | 20 | 0.75 | 2.6 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 92 | mg/Kg DWB | 1 | 0.19 | 0.38 | 06/15/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [1.2] | mg/Kg DWB | 10 | 0.38 | 1.3 | 06/16/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.28 | 1.0 | 06/14/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 31000 | mg/Kg DWB | 10 | 56 | 110 | 06/16/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 27 | mg/Kg DWB | 1 | 0.56* | 2.0 | 06/20/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.19 | mg/Kg DWB | 2 | 0.18* | | 05/10/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 27 | mg/Kg DWB | 1 | 0.56 | 2.0 | 06/14/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 10 | mg/Kg DWB | 1 | 0.53 | 1.8 | 06/15/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 20 | mg/Kg DWB | 1 | 0.22 | 0.83 | 06/14/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 0.72 | mg/Kg DWB | 1 | 0.11 | 0.33 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 25000 | mg/Kg DWB | 10 | 11 | 39 | 06/16/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [12] | mg/Kg DWB | 1 | 6.1 | 22 | 06/15/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 12000 | mg/Kg DWB | 10 | 56 | 110 | 06/16/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 350 | mg/Kg DWB | 1 | 0.12 | 0.38 | 06/15/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.094 | 0.33 | 05/16/05 | SW846 7470A | 721026460 |
| | Check standard recovery was outside QC limits for Hg at 89%. | | | | | | | |
| Nickel, tot. recoverable as Ni by ICP | 22 | mg/Kg DWB | 1 | 1.3 | 4.8 | 06/14/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2700 | mg/Kg DWB | 1 | 14 | 49 | 06/13/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.87 | 3.0 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.55 | 2.0 | 06/13/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 180 | mg/Kg DWB | 1 | 1.2 | 4.5 | 06/13/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 84.2 | % | 1 | 0.10* | | 04/28/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 3.9 | 06/14/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 42 | mg/Kg DWB | 1 | 0.33 | 1.2 | 06/15/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 48 | mg/Kg DWB | 1 | 0.25 | 0.75 | 06/14/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/10/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/17/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/06/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 89004
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP133-1-3 NLS ID: 369086**
Ref. Line 3 COC 76418 Soil, NS-SOGP133-1-3 Matrix: SO
Collected: 04/26/05 15:30 Received: 04/28/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 1200 | mg/Kg DWB | 1 | 6.6 | 25 | 06/15/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 0.91 | 3.2 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.72 | 2.6 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 17 | mg/Kg DWB | 1 | 0.16 | 0.31 | 06/15/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.094] | mg/Kg DWB | 2 | 0.063 | 0.22 | 06/16/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.23 | 0.85 | 06/14/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 1700 | mg/Kg DWB | 10 | 47 | 94 | 06/16/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 2.9 | mg/Kg DWB | 1 | 0.47* | 1.7 | 06/20/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.16 | mg/Kg DWB | 2 | 0.15* | | 05/10/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 3.1 | mg/Kg DWB | 1 | 0.47 | 1.7 | 06/14/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 1.6 | mg/Kg DWB | 1 | 0.44 | 1.5 | 06/15/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 5.6 | mg/Kg DWB | 1 | 0.19 | 0.69 | 06/14/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.11] | mg/Kg DWB | 1 | 0.091 | 0.27 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 4600 | mg/Kg DWB | 10 | 8.8 | 33 | 06/16/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.1 | 19 | 06/15/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 850 | mg/Kg DWB | 10 | 47 | 94 | 06/16/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 60 | mg/Kg DWB | 1 | 0.10 | 0.31 | 06/15/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.080 | 0.28 | 05/16/05 | SW846 7470A | 721026460 |
| | Check standard recovery was outside QC limits for Hg at 89%. | | | | | | | |
| Nickel, tot. recoverable as Ni by ICP | [3.8] | mg/Kg DWB | 1 | 1.1 | 4.0 | 06/14/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 140 | mg/Kg DWB | 1 | 11 | 41 | 06/13/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.84 | 2.9 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.46 | 1.6 | 06/13/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 57 | mg/Kg DWB | 1 | 1.0 | 3.8 | 06/13/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 98.8 | % | 1 | 0.10* | | 04/28/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 3.8 | 06/14/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 12 | mg/Kg DWB | 1 | 0.27 | 1.0 | 06/15/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 5.7 | mg/Kg DWB | 1 | 0.21 | 0.63 | 06/14/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/10/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/17/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/06/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 89004
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP133-4-6 NLS ID: 369087**
Ref. Line 4 COC 76418 Soil, NS-SOGP133-4-6 Matrix: SO
Collected: 04/26/05 15:40 Received: 04/28/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 14000 | mg/Kg DWB | 1 | 7.1 | 27 | 06/15/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.2 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.7] | mg/Kg DWB | 20 | 0.93 | 3.3 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 94 | mg/Kg DWB | 1 | 0.17 | 0.34 | 06/15/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.88] | mg/Kg DWB | 10 | 0.34 | 1.2 | 06/16/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.25 | 0.92 | 06/14/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 52000 | mg/Kg DWB | 100 | 510 | 1000 | 06/16/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 27 | mg/Kg DWB | 1 | 0.51* | 1.8 | 06/20/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 05/10/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 27 | mg/Kg DWB | 1 | 0.51 | 1.8 | 06/14/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 8.6 | mg/Kg DWB | 1 | 0.48 | 1.7 | 06/15/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 18 | mg/Kg DWB | 1 | 0.20 | 0.75 | 06/14/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.24] | mg/Kg DWB | 1 | 0.12 | 0.37 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 22000 | mg/Kg DWB | 10 | 9.5 | 35 | 06/16/05 | SW846 6010 | 721026460 |
| Lead tot. recoverable as Pb by ICP | [11] | mg/Kg DWB | 1 | 5.5 | 20 | 06/15/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 15000 | mg/Kg DWB | 10 | 51 | 100 | 06/16/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 340 | mg/Kg DWB | 1 | 0.11 | 0.34 | 06/15/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.096 | 0.34 | 05/16/05 | SW846 7470A | 721026460 |
| | Check standard recovery was outside QC limits for Hg at 89%. | | | | | | | |
| Nickel, tot. recoverable as Ni by ICP | 19 | mg/Kg DWB | 1 | 1.2 | 4.3 | 06/14/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2400 | mg/Kg DWB | 1 | 12 | 45 | 06/13/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.1 | 3.8 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.49 | 1.8 | 06/13/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 190 | mg/Kg DWB | 1 | 1.1 | 4.1 | 06/13/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 82.2 | % | 1 | 0.10* | | 04/28/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.9 | 06/14/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 35 | mg/Kg DWB | 1 | 0.30 | 1.1 | 06/15/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 38 | mg/Kg DWB | 1 | 0.23 | 0.68 | 06/14/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/10/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/17/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/06/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** ***URS Corporation (Milwaukee)***
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Project:** **Xcel RIFS/25688375**

**NLS Project: 89004**
**NLS Customer: 91206**
**Fax: 414 831 4101 Phone: 414 831 4100**

**Soil, NS-SOGP103-2-4 NLS ID: 369088**
Ref. Line 5 COC 76418 Soil, NS-SOGP103-2-4 Matrix: SO
Collected: 04/27/05 08:30 Received: 04/28/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 16000 | mg/Kg DWB | 1 | 8.3 | 31 | 06/15/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.2 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.0] | mg/Kg DWB | 20 | 0.93 | 3.3 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 130 | mg/Kg DWB | 1 | 0.20 | 0.39 | 06/15/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [1.3] | mg/Kg DWB | 10 | 0.39 | 1.4 | 06/16/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.29 | 1.1 | 06/14/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 4600 | mg/Kg DWB | 10 | 59 | 120 | 06/16/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 33 | mg/Kg DWB | 1 | 0.59* | 2.1 | 06/20/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.33 | mg/Kg DWB | 2 | 0.19* | | 05/10/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 33 | mg/Kg DWB | 1 | 0.59 | 2.1 | 06/14/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 11 | mg/Kg DWB | 1 | 0.55 | 1.9 | 06/15/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 26 | mg/Kg DWB | 1 | 0.23 | 0.87 | 06/14/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.35 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 25000 | mg/Kg DWB | 10 | 11 | 41 | 06/16/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [9.2] | mg/Kg DWB | 1 | 6.4 | 23 | 06/15/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 7300 | mg/Kg DWB | 10 | 59 | 120 | 06/16/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 320 | mg/Kg DWB | 1 | 0.13 | 0.39 | 06/15/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.10 | 0.36 | 05/16/05 | SW846 7470A | 721026460 |
| | Check standard recovery was outside QC limits for Hg at 89%. | | | | | | | |
| Nickel, tot. recoverable as Ni by ICP | 26 | mg/Kg DWB | 1 | 1.4 | 5.0 | 06/14/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1600 | mg/Kg DWB | 1 | 14 | 52 | 06/13/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.1 | 3.8 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.57 | 2.1 | 06/13/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 220 | mg/Kg DWB | 1 | 1.3 | 4.7 | 06/13/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 78.4 | % | 1 | 0.10* | | 04/28/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.9 | 06/14/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 48 | mg/Kg DWB | 1 | 0.34 | 1.3 | 06/15/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 41 | mg/Kg DWB | 1 | 0.26 | 0.79 | 06/14/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/10/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/17/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/06/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 89004
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP103-6-8 NLS ID: 369089**
Ref. Line 6 COC 76418 Soil, NS-SOGP103-6-8 Matrix: SO
Collected: 04/27/05 09:30 Received: 04/28/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 14000 | mg/Kg DWB | 1 | 7.7 | 29 | 06/15/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.3 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.5] | mg/Kg DWB | 20 | 0.97 | 3.4 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 110 | mg/Kg DWB | 1 | 0.18 | 0.37 | 06/15/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.92] | mg/Kg DWB | 10 | 0.37 | 1.3 | 06/16/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.27 | 0.99 | 06/14/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 29000 | mg/Kg DWB | 10 | 55 | 110 | 06/16/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 26 | mg/Kg DWB | 1 | 0.55* | 1.9 | 06/20/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 05/10/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 26 | mg/Kg DWB | 1 | 0.55 | 1.9 | 06/14/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 8.5 | mg/Kg DWB | 1 | 0.51 | 1.8 | 06/15/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 18 | mg/Kg DWB | 1 | 0.22 | 0.81 | 06/14/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.36 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 23000 | mg/Kg DWB | 10 | 10 | 38 | 06/16/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [6.3] | mg/Kg DWB | 1 | 6.0 | 22 | 06/15/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 11000 | mg/Kg DWB | 10 | 55 | 110 | 06/16/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 290 | mg/Kg DWB | 1 | 0.12 | 0.37 | 06/15/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.091 | 0.32 | 05/16/05 | SW846 7470A | 721026460 |
| | Check standard recovery was outside QC limits for Hg at 89%. | | | | | | | |
| Nickel, tot. recoverable as Ni by ICP | 20 | mg/Kg DWB | 1 | 1.3 | 4.7 | 06/14/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2200 | mg/Kg DWB | 1 | 13 | 48 | 06/13/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.1 | 3.9 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.53 | 1.9 | 06/13/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 190 | mg/Kg DWB | 1 | 1.2 | 4.4 | 06/13/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 86.4 | % | 1 | 0.10* | | 04/28/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.1 | 06/14/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 43 | mg/Kg DWB | 1 | 0.32 | 1.2 | 06/15/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 41 | mg/Kg DWB | 1 | 0.25 | 0.74 | 06/14/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/10/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/17/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/06/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 89004**
**NLS Customer: 91206**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Fax: 414 831 4101 Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

**Soil, NS-SOGP103-10-12 NLS ID: 369090**
Ref. Line 7 COC 76418 Soil, NS-SOGP103-10-12 Matrix: SO
Collected: 04/27/05 09:45 Received: 04/28/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 7800 | mg/Kg DWB | 1 | 7.3 | 27 | 06/15/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.7 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.4] | mg/Kg DWB | 20 | 1.0 | 3.7 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 56 | mg/Kg DWB | 1 | 0.17 | 0.35 | 06/15/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.47] | mg/Kg DWB | 5 | 0.17 | 0.61 | 06/16/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.26 | 0.94 | 06/14/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 20000 | mg/Kg DWB | 10 | 52 | 100 | 06/16/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 15 | mg/Kg DWB | 1 | 0.52* | 1.8 | 06/20/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.16* | | 05/10/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 15 | mg/Kg DWB | 1 | 0.52 | 1.8 | 06/14/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 5.7 | mg/Kg DWB | 1 | 0.49 | 1.7 | 06/15/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 11 | mg/Kg DWB | 1 | 0.21 | 0.77 | 06/14/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.32 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 15000 | mg/Kg DWB | 10 | 9.7 | 36 | 06/16/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [6.1] | mg/Kg DWB | 1 | 5.6 | 21 | 06/15/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 7300 | mg/Kg DWB | 10 | 52 | 100 | 06/16/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 200 | mg/Kg DWB | 1 | 0.11 | 0.35 | 06/15/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.087 | 0.31 | 05/16/05 | SW846 7470A | 721026460 |
| | Check standard recovery was outside QC limits for Hg at 89%. | | | | | | | |
| Nickel, tot. recoverable as Ni by ICP | 12 | mg/Kg DWB | 1 | 1.2 | 4.4 | 06/14/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1200 | mg/Kg DWB | 1 | 13 | 46 | 06/13/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.2 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.50 | 1.8 | 06/13/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 110 | mg/Kg DWB | 1 | 1.1 | 4.2 | 06/13/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 91.3 | % | 1 | 0.10* | | 04/28/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.5 | 06/14/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 28 | mg/Kg DWB | 1 | 0.30 | 1.1 | 06/15/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 28 | mg/Kg DWB | 1 | 0.23 | 0.70 | 06/14/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/10/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/17/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/06/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 89004
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP147-2-4 NLS ID: 369091**
Ref. Line 8 COC 76418 Soil, NS-SOGP147-2-4 Matrix: SO
Collected: 04/27/05 10:50 Received: 04/28/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 2500 | mg/Kg DWB | 1 | 6.5 | 24 | 06/15/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 4.0 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.89 | 3.2 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 34 | mg/Kg DWB | 1 | 0.15 | 0.31 | 06/15/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.16] | mg/Kg DWB | 2 | 0.062 | 0.22 | 06/16/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.23 | 0.83 | 06/14/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 3100 | mg/Kg DWB | 10 | 46 | 93 | 06/16/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 5.5 | mg/Kg DWB | 1 | 0.46* | 1.6 | 06/20/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.38 | mg/Kg DWB | 2 | 0.15* | | 05/10/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 5.9 | mg/Kg DWB | 1 | 0.46 | 1.6 | 06/14/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 2.5 | mg/Kg DWB | 1 | 0.43 | 1.5 | 06/15/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 5.8 | mg/Kg DWB | 1 | 0.18 | 0.68 | 06/14/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.32 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 6900 | mg/Kg DWB | 10 | 8.6 | 32 | 06/16/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.0 | 18 | 06/15/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 2100 | mg/Kg DWB | 10 | 46 | 93 | 06/16/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 95 | mg/Kg DWB | 1 | 0.10 | 0.31 | 06/15/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.084 | 0.30 | 05/16/05 | SW846 7470A | 721026460 |
| | Check standard recovery was outside QC limits for Hg at 89%. | | | | | | | |
| Nickel, tot. recoverable as Ni by ICP | 6.6 | mg/Kg DWB | 1 | 1.1 | 3.9 | 06/14/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 360 | mg/Kg DWB | 1 | 11 | 40 | 06/13/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.0 | 3.6 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.45 | 1.6 | 06/13/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 73 | mg/Kg DWB | 1 | 1.0 | 3.7 | 06/13/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 93.9 | % | 1 | 0.10* | | 04/28/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.7 | 06/14/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 16 | mg/Kg DWB | 1 | 0.27 | 0.99 | 06/15/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 9.4 | mg/Kg DWB | 1 | 0.21 | 0.62 | 06/14/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/10/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/17/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/06/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RIFS/25688375

NLS Project: 89004
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

**Soil, NS-SOGP147-13-15 NLS ID: 369092**
Ref. Line 9 COC 76418 Soil, NS-SOGP147-13-15 Matrix: SO
Collected: 04/27/05 11:10 Received: 04/28/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 7400 | mg/Kg DWB | 1 | 7.6 | 28 | 06/15/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 4.1 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.0] | mg/Kg DWB | 20 | 0.91 | 3.2 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 66 | mg/Kg DWB | 1 | 0.18 | 0.36 | 06/15/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.45] | mg/Kg DWB | 5 | 0.18 | 0.63 | 06/16/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.27 | 0.98 | 06/14/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 8900 | mg/Kg DWB | 10 | 54 | 110 | 06/16/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 12 | mg/Kg DWB | 1 | 0.54* | 1.9 | 06/20/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.19 | mg/Kg DWB | 2 | 0.17* | | 05/10/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 12 | mg/Kg DWB | 1 | 0.54 | 1.9 | 06/14/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 5.9 | mg/Kg DWB | 1 | 0.51 | 1.8 | 06/15/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 17 | mg/Kg DWB | 1 | 0.21 | 0.80 | 06/14/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.35 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 15000 | mg/Kg DWB | 10 | 10 | 38 | 06/16/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.9 | 21 | 06/15/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 5700 | mg/Kg DWB | 10 | 54 | 110 | 06/16/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 200 | mg/Kg DWB | 1 | 0.12 | 0.36 | 06/15/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.089 | 0.32 | 05/16/05 | SW846 7470A | 721026460 |
| | Check standard recovery was outside QC limits for Hg at 89%. | | | | | | | |
| Nickel, tot. recoverable as Ni by ICP | 13 | mg/Kg DWB | 1 | 1.3 | 4.6 | 06/14/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1100 | mg/Kg DWB | 1 | 13 | 47 | 06/13/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.1 | 3.7 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.53 | 1.9 | 06/13/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 180 | mg/Kg DWB | 1 | 1.2 | 4.3 | 06/13/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 88.3 | % | 1 | 0.10* | | 04/28/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.8 | 06/14/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 31 | mg/Kg DWB | 1 | 0.32 | 1.2 | 06/15/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 25 | mg/Kg DWB | 1 | 0.24 | 0.72 | 06/14/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/10/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/17/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/06/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 89004
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP152-2-4 NLS ID: 369093**
Ref. Line 10 COC 76418 Soil, NS-SOGP152-2-4 Matrix: SO
Collected: 04/27/05 11:30 Received: 04/28/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 4100 | mg/Kg DWB | 1 | 7.3 | 27 | 06/15/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.0 | 3.6 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [0.83] | mg/Kg DWB | 20 | 0.80 | 2.8 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 40 | mg/Kg DWB | 1 | 0.17 | 0.35 | 06/15/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.35] | mg/Kg DWB | 5 | 0.17 | 0.61 | 06/16/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.26 | 0.94 | 06/14/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 3700 | mg/Kg DWB | 10 | 52 | 100 | 06/16/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 8.1 | mg/Kg DWB | 1 | 0.52* | 1.8 | 06/20/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.29 | mg/Kg DWB | 2 | 0.16* | | 05/10/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 8.4 | mg/Kg DWB | 1 | 0.52 | 1.8 | 06/14/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 3.5 | mg/Kg DWB | 1 | 0.49 | 1.7 | 06/15/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 7.9 | mg/Kg DWB | 1 | 0.20 | 0.76 | 06/14/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.35 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 9300 | mg/Kg DWB | 10 | 9.7 | 36 | 06/16/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.6 | 20 | 06/15/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 2800 | mg/Kg DWB | 10 | 52 | 100 | 06/16/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 130 | mg/Kg DWB | 1 | 0.11 | 0.35 | 06/15/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.086 | 0.31 | 05/16/05 | SW846 7470A | 721026460 |
| | Check standard recovery was outside QC limits for Hg at 89%. | | | | | | | |
| Nickel, tot. recoverable as Ni by ICP | 8.7 | mg/Kg DWB | 1 | 1.2 | 4.4 | 06/14/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 440 | mg/Kg DWB | 1 | 12 | 45 | 06/13/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.94 | 3.3 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.50 | 1.8 | 06/13/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 80 | mg/Kg DWB | 1 | 1.1 | 4.2 | 06/13/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 91.7 | % | 1 | 0.10* | | 04/28/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.2 | 06/14/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 21 | mg/Kg DWB | 1 | 0.30 | 1.1 | 06/15/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 14 | mg/Kg DWB | 1 | 0.23 | 0.69 | 06/14/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/10/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/17/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/06/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
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# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 89004**
**NLS Customer: 91206**

**Fax: 414 831 4101 Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

***Soil, NS-SQDup11-0405 NLS ID: 369094***
Ref. Line 1 COC 76419 Soil, NS-SQDup11-0405 Matrix: SO
Collected: 04/27/05 00:00 Received: 04/28/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 3500 | mg/Kg DWB | 1 | 7.4 | 27 | 06/15/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.0 | 3.7 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.83 | 2.9 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 33 | mg/Kg DWB | 1 | 0.18 | 0.35 | 06/15/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 11 | mg/Kg DWB | 5 | 0.18 | 0.61 | 06/16/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.26 | 0.95 | 06/14/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 3300 | mg/Kg DWB | 10 | 53 | 110 | 06/16/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 6.8 | mg/Kg DWB | 1 | 0.53* | 1.9 | 06/20/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.22 | mg/Kg DWB | 2 | 0.16* | | 05/10/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 7.0 | mg/Kg DWB | 1 | 0.53 | 1.9 | 06/14/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 2.8 | mg/Kg DWB | 1 | 0.49 | 1.7 | 06/15/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 7.4 | mg/Kg DWB | 1 | 0.21 | 0.77 | 06/14/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.10 | 0.31 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 8500 | mg/Kg DWB | 10 | 9.8 | 37 | 06/16/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.7 | 21 | 06/15/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 2300 | mg/Kg DWB | 10 | 53 | 110 | 06/16/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 120 | mg/Kg DWB | 1 | 0.12 | 0.35 | 06/15/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.086 | 0.30 | 05/16/05 | SW846 7470A | 721026460 |
| | Check standard recovery was outside QC limits for Hg at 89%. | | | | | | | |
| Nickel, tot. recoverable as Ni by ICP | 6.8 | mg/Kg DWB | 1 | 1.2 | 4.5 | 06/14/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 410 | mg/Kg DWB | 1 | 13 | 46 | 06/13/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.97 | 3.3 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.51 | 1.8 | 06/13/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 73 | mg/Kg DWB | 1 | 1.2 | 4.2 | 06/13/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 92.2 | % | 1 | 0.10* | | 04/28/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.4 | 06/14/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 18 | mg/Kg DWB | 1 | 0.31 | 1.1 | 06/15/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 12 | mg/Kg DWB | 1 | 0.24 | 0.70 | 06/14/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/10/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/18/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/09/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 89004
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP153-1-3 NLS ID: 369095**
Ref. Line 2 COC 76419 Soil, NS-SOGP153-1-3 Matrix: SO
Collected: 04/27/05 12:45 Received: 04/28/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 3200 | mg/Kg DWB | 1 | 6.8 | 25 | 06/15/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 3.8 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [0.91] | mg/Kg DWB | 20 | 0.86 | 3.0 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 30 | mg/Kg DWB | 1 | 0.16 | 0.32 | 06/15/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.31] | mg/Kg DWB | 5 | 0.16 | 0.56 | 06/16/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.24 | 0.87 | 06/14/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 2800 | mg/Kg DWB | 10 | 48 | 97 | 06/16/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 6.2 | mg/Kg DWB | 1 | 0.48* | 1.7 | 06/20/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.44 | mg/Kg DWB | 2 | 0.15* | | 05/10/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 6.7 | mg/Kg DWB | 1 | 0.48 | 1.7 | 06/14/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 2.4 | mg/Kg DWB | 1 | 0.45 | 1.6 | 06/15/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 7.3 | mg/Kg DWB | 1 | 0.19 | 0.71 | 06/14/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.32 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 8300 | mg/Kg DWB | 10 | 9.0 | 34 | 06/16/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.2 | 19 | 06/15/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 2100 | mg/Kg DWB | 10 | 48 | 97 | 06/16/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 110 | mg/Kg DWB | 1 | 0.11 | 0.32 | 06/15/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.086 | 0.30 | 05/16/05 | SW846 7470A | 721026460 |
| | Check standard recovery was outside QC limits for Hg at 89%. | | | | | | | |
| Nickel, tot. recoverable as Ni by ICP | 5.5 | mg/Kg DWB | 1 | 1.1 | 4.1 | 06/14/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 400 | mg/Kg DWB | 1 | 12 | 42 | 06/13/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.0 | 3.5 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.47 | 1.7 | 06/13/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 72 | mg/Kg DWB | 1 | 1.1 | 3.9 | 06/13/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 92.3 | % | 1 | 0.10* | | 04/28/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.5 | 06/14/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 19 | mg/Kg DWB | 1 | 0.28 | 1.0 | 06/15/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 11 | mg/Kg DWB | 1 | 0.22 | 0.64 | 06/14/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/10/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/18/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/09/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
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# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 89004**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

**Soil, NS-SOGP153-12-14 NLS ID: 369096**
Ref. Line 3 COC 76419 Soil, NS-SOGP153-12-14 Matrix: SO
Collected: 04/27/05 13:10 Received: 04/28/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 7800 | mg/Kg DWB | 1 | 7.0 | 26 | 06/15/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 0.99 | 3.5 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.5] | mg/Kg DWB | 20 | 0.79 | 2.8 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 57 | mg/Kg DWB | 1 | 0.17 | 0.33 | 06/15/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.62 | mg/Kg DWB | 5 | 0.17 | 0.59 | 06/16/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.25 | 0.90 | 06/14/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 18000 | mg/Kg DWB | 10 | 50 | 100 | 06/16/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 15 | mg/Kg DWB | 1 | 0.50* | 1.8 | 06/20/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.18 | mg/Kg DWB | 2 | 0.16* | | 05/10/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 15 | mg/Kg DWB | 1 | 0.50 | 1.8 | 06/14/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 5.2 | mg/Kg DWB | 1 | 0.47 | 1.6 | 06/15/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 10 | mg/Kg DWB | 1 | 0.20 | 0.74 | 06/14/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.33 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 16000 | mg/Kg DWB | 10 | 9.4 | 35 | 06/16/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.4 | 20 | 06/15/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 7400 | mg/Kg DWB | 10 | 50 | 100 | 06/16/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 220 | mg/Kg DWB | 1 | 0.11 | 0.33 | 06/15/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.087 | 0.31 | 05/16/05 | SW846 7470A | 721026460 |
| | Check standard recovery was outside QC limits for Hg at 89%. | | | | | | | |
| Nickel, tot. recoverable as Ni by ICP | 12 | mg/Kg DWB | 1 | 1.2 | 4.3 | 06/14/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1300 | mg/Kg DWB | 1 | 12 | 44 | 06/13/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.92 | 3.2 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.49 | 1.7 | 06/13/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 120 | mg/Kg DWB | 1 | 1.1 | 4.0 | 06/13/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 91.1 | % | 1 | 0.10* | | 04/28/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.1 | 06/14/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 30 | mg/Kg DWB | 1 | 0.29 | 1.1 | 06/15/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 27 | mg/Kg DWB | 1 | 0.22 | 0.67 | 06/14/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/11/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/18/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/09/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 89004
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP158-0-2 NLS ID: 369097**
Ref. Line 4 COC 76419 Soil, NS-SOGP158-0-2 Matrix: SO
Collected: 04/27/05 13:30 Received: 04/28/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 4600 | mg/Kg DWB | 1 | 6.7 | 25 | 06/15/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.2 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.95 | 3.4 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 43 | mg/Kg DWB | 1 | 0.16 | 0.32 | 06/15/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.27] | mg/Kg DWB | 5 | 0.16 | 0.56 | 06/16/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.24 | 0.86 | 06/14/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 3900 | mg/Kg DWB | 10 | 48 | 96 | 06/16/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 5.3 | mg/Kg DWB | 1 | 0.48* | 1.7 | 06/20/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.16 | mg/Kg DWB | 2 | 0.15* | | 05/10/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 5.5 | mg/Kg DWB | 1 | 0.48 | 1.7 | 06/14/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 3.1 | mg/Kg DWB | 1 | 0.45 | 1.6 | 06/15/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 14 | mg/Kg DWB | 1 | 0.19 | 0.70 | 06/14/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.32 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 8800 | mg/Kg DWB | 10 | 8.9 | 33 | 06/16/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.2 | 19 | 06/15/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 2000 | mg/Kg DWB | 10 | 48 | 96 | 06/16/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 95 | mg/Kg DWB | 1 | 0.11 | 0.32 | 06/15/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.086 | 0.31 | 05/16/05 | SW846 7470A | 721026460 |
| | Check standard recovery was outside QC limits for Hg at 89%. | | | | | | | |
| Nickel, tot. recoverable as Ni by ICP | 8.1 | mg/Kg DWB | 1 | 1.1 | 4.0 | 06/14/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 400 | mg/Kg DWB | 1 | 11 | 42 | 06/13/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.1 | 3.8 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.46 | 1.7 | 06/13/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 330 | mg/Kg DWB | 1 | 1.1 | 3.8 | 06/13/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 91.8 | % | 1 | 0.10* | | 04/28/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 5.0 | 06/14/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 27 | mg/Kg DWB | 1 | 0.28 | 1.0 | 06/15/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 12 | mg/Kg DWB | 1 | 0.21 | 0.64 | 06/14/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/11/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/18/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/09/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
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# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 89004**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

**Soil, NS-SOGP157-1-3 NLS ID: 369098**
Ref. Line 5 COC 76419 Soil, NS-SOGP157-1-3 Matrix: SO
Collected: 04/27/05 14:00 Received: 04/28/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 3000 | mg/Kg DWB | 1 | 6.4 | 24 | 06/15/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.5 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 1.0 | 3.5 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 33 | mg/Kg DWB | 1 | 0.15 | 0.30 | 06/15/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.26 | mg/Kg DWB | 2 | 0.061 | 0.21 | 06/16/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.22 | 0.82 | 06/14/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 3500 | mg/Kg DWB | 10 | 45 | 91 | 06/16/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 7.0 | mg/Kg DWB | 1 | 0.45* | 1.6 | 06/20/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.16 | mg/Kg DWB | 2 | 0.15* | | 05/10/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 7.1 | mg/Kg DWB | 1 | 0.45 | 1.6 | 06/14/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 2.2 | mg/Kg DWB | 1 | 0.42 | 1.5 | 06/15/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 7.1 | mg/Kg DWB | 1 | 0.18 | 0.67 | 06/14/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.32 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 7800 | mg/Kg DWB | 10 | 8.5 | 32 | 06/16/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [9.0] | mg/Kg DWB | 1 | 4.9 | 18 | 06/15/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 2100 | mg/Kg DWB | 10 | 45 | 91 | 06/16/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 110 | mg/Kg DWB | 1 | 0.10 | 0.30 | 06/15/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.086 | 0.30 | 05/16/05 | SW846 7470A | 721026460 |
| | Check standard recovery was outside QC limits for Hg at 89%. | | | | | | | |
| Nickel, tot. recoverable as Ni by ICP | 5.4 | mg/Kg DWB | 1 | 1.1 | 3.9 | 06/14/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 370 | mg/Kg DWB | 1 | 11 | 40 | 06/13/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.1 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.44 | 1.6 | 06/13/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 61 | mg/Kg DWB | 1 | 1.0 | 3.6 | 06/13/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 92.3 | % | 1 | 0.10* | | 04/28/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.3 | 06/14/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 16 | mg/Kg DWB | 1 | 0.26 | 0.97 | 06/15/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 17 | mg/Kg DWB | 1 | 0.20 | 0.61 | 06/14/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/11/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/18/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/09/05 | SW846 3550B | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 89004
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP157-10-12 NLS ID: 369099**
Ref. Line 6 COC 76419 Soil, NS-SOGP157-10-12 Matrix: SO
Collected: 04/27/05 14:40 Received: 04/28/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 18000 | mg/Kg DWB | 1 | 7.3 | 27 | 06/15/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.8 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.6] | mg/Kg DWB | 20 | 1.1 | 3.8 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 110 | mg/Kg DWB | 1 | 0.17 | 0.35 | 06/15/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 9.6 | mg/Kg DWB | 10 | 0.35 | 1.2 | 06/16/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.26 | 0.94 | 06/14/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 45000 | mg/Kg DWB | 10 | 52 | 100 | 06/16/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 31 | mg/Kg DWB | 1 | 0.52* | 1.9 | 06/20/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.64 | mg/Kg DWB | 2 | 0.18* | | 05/10/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 32 | mg/Kg DWB | 1 | 0.52 | 1.9 | 06/14/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 9.6 | mg/Kg DWB | 1 | 0.49 | 1.7 | 06/15/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 21 | mg/Kg DWB | 1 | 0.21 | 0.77 | 06/14/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.13 | 0.40 | 05/03/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 25000 | mg/Kg DWB | 10 | 9.8 | 36 | 06/16/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [9.3] | mg/Kg DWB | 1 | 5.7 | 21 | 06/15/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 15000 | mg/Kg DWB | 10 | 52 | 100 | 06/16/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 350 | mg/Kg DWB | 1 | 0.12 | 0.35 | 06/15/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.10 | 0.36 | 05/16/05 | SW846 7470A | 721026460 |
| | Check standard recovery was outside QC limits for Hg at 89%. | | | | | | | |
| Nickel, tot. recoverable as Ni by ICP | 23 | mg/Kg DWB | 1 | 1.2 | 4.4 | 06/14/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2300 | mg/Kg DWB | 1 | 13 | 46 | 06/13/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.4 | 06/09/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.51 | 1.8 | 06/13/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 220 | mg/Kg DWB | 1 | 1.2 | 4.2 | 06/13/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 78.4 | % | 1 | 0.10* | | 04/28/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.7 | 06/14/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 39 | mg/Kg DWB | 1 | 0.30 | 1.1 | 06/15/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 44 | mg/Kg DWB | 1 | 0.23 | 0.70 | 06/14/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/11/05 | SW846 8260 | 721026460 |
| Semi volatile GC/MS by 8270C (soil) | see attached | | | | | 05/18/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/09/05 | SW846 3550B | 721026460 |

**NS-SQMeOHBlank 9-0405 NLS ID: 369100**
Ref. Line 8 COC 76419 NS-SQMeOHBlank 9-0405 Matrix: TB
Collected: 04/27/05 00:00 Received: 04/28/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/11/05 | SW846 8260 | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
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# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project:** **89004**
**NLS Customer:** **91206**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
***10200 West Innovation Drive #500***
**Milwaukee,WI 53226 4827**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89004**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/21/2005 12:03**

**Sample: 369084** **Soil, NS-SOGP136-1-3** **Collected: 04/26/05** **Analyzed: 05/17/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | [44] | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | [60] | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | [70] | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | [61] | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | [59] | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | [47] | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | [37] | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | [45] | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | [73] | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | [59] | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 60% | | | | |
| Phenol-d5 (SURR**) | 65% | | | | |
| Nitrobenzene-d5 (SURR**) | 67% | | | | |
| 2-Fluorobiphenyl (SURR**) | 76% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 74% | | | | |
| Terphenyl-d14 (SURR**) | 83% | | | | |

Laboratory control spike recoveries for Phenanthrene and Fluoranthene were outside QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89004**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 06/21/2005 12:03**

**Sample: 369085** **Soil, NS-SOGP136-4-6** **Collected: 04/26/05** **Analyzed: 05/17/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [1100] | ug/Kg | 20 | 650 | 2200 |
| Acenaphthylene | ND | ug/Kg | 20 | 610 | 2000 |
| Anthracene | ND | ug/Kg | 20 | 770 | 2600 |
| Benzo[a]anthracene | ND | ug/Kg | 20 | 680 | 2300 |
| Benzo[a]pyrene | ND | ug/Kg | 20 | 680 | 2300 |
| Benzo[b]fluoranthene | ND | ug/Kg | 20 | 750 | 2500 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 20 | 650 | 2200 |
| Benzo[k]fluoranthene | ND | ug/Kg | 20 | 760 | 2500 |
| Chrysene | [940] | ug/Kg | 20 | 710 | 2400 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 20 | 680 | 2300 |
| Dibenzofuran | ND | ug/Kg | 20 | 630 | 2100 |
| Fluoranthene | [1800] | ug/Kg | 20 | 750 | 2500 |
| Fluorene | 2200 | ug/Kg | 20 | 650 | 2200 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 20 | 620 | 2100 |
| 1-Methylnaphthalene | 5900 | ug/Kg | 20 | 630 | 2100 |
| 2-Methylnaphthalene | 9700 | ug/Kg | 20 | 620 | 2100 |
| 2-Methylphenol | ND | ug/Kg | 20 | 520 | 1700 |
| 3 & 4-Methylphenol | ND | ug/Kg | 20 | 1100 | 3900 |
| Naphthalene | [1100] | ug/Kg | 20 | 610 | 2000 |
| Phenanthrene | 7300 | ug/Kg | 20 | 730 | 2400 |
| Phenol | ND | ug/Kg | 20 | 560 | 1900 |
| Pyrene | 2700 | ug/Kg | 20 | 710 | 2400 |
| Benzo[e]pyrene | ND | ug/Kg | 20 | 760 | 2500 |
| 2-Fluorophenol (SURR**) | 81% | | | | |
| Phenol-d5 (SURR**) | 87% | | | | |
| Nitrobenzene-d5 (SURR**) | 86% | | | | |
| 2-Fluorobiphenyl (SURR**) | 97% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 71% | | | | |
| Terphenyl-d14 (SURR**) | 97% | | | | |

10 mL final extract volume.
Additional non-target compounds present.
Laboratory control spike recoveries for Phenanthrene and Fluoranthene were outside QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89004**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP Printed: 06/21/2005 12:03**

**Sample: 369086 Soil, NS-SOGP133-1-3** **Collected: 04/26/05** **Analyzed: 05/17/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 67% | | | | |
| Phenol-d5 (SURR**) | 69% | | | | |
| Nitrobenzene-d5 (SURR**) | 67% | | | | |
| 2-Fluorobiphenyl (SURR**) | 76% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 87% | | | | |
| Terphenyl-d14 (SURR**) | 86% | | | | |

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89004**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 06/21/2005 12:03**

**Sample: 369087** **Soil, NS-SOGP133-4-6** **Collected: 04/26/05** **Analyzed: 05/17/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | *ND* | ug/Kg | *1* | 31 | *100* |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | 110 | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | [55] | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | *ND* | ug/Kg | *1* | *31* | *100* |
| Phenanthrene | [110] | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 65% | | | | |
| Phenol-d5 (SURR**) | 67% | | | | |
| Nitrobenzene-d5 (SURR**) | 66% | | | | |
| 2-Fluorobiphenyl (SURR**) | 73% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 85% | | | | |
| Terphenyl-d14 (SURR**) | 80% | | | | |

Laboratory control spike recovery for Phenanthrene was outside QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89004**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 06/21/2005 12:03**

**Sample: 369088** **Soil, NS-SOGP103-2-4** **Collected: 04/27/05** **Analyzed: 05/17/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 3200 | ug/Kg | 10 | 320 | 1100 |
| Acenaphthylene | 3800 | ug/Kg | 10 | 310 | 1000 |
| Anthracene | 2900 | ug/Kg | 10 | 380 | 1300 |
| Benzo[a]anthracene | 1600 | ug/Kg | 10 | 340 | 1100 |
| Benzo[a]pyrene | 1200 | ug/Kg | 10 | 340 | 1100 |
| Benzo[b]fluoranthene | [1100] | ug/Kg | 10 | 380 | 1300 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 10 | 330 | 1100 |
| Benzo[k]fluoranthene | ND | ug/Kg | 10 | 380 | 1300 |
| Chrysene | 1500 | ug/Kg | 10 | 360 | 1200 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 10 | 340 | 1100 |
| Dibenzofuran | 1100 | ug/Kg | 10 | 320 | 1100 |
| Fluoranthene | 3300 | ug/Kg | 10 | 370 | 1200 |
| Fluorene | 4300 | ug/Kg | 10 | 320 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 10 | 310 | 1000 |
| 1-Methylnaphthalene | 11000 | ug/Kg | 10 | 320 | 1100 |
| 2-Methylnaphthalene | 13000 | ug/Kg | 10 | 310 | 1000 |
| 2-Methylphenol | ND | ug/Kg | 10 | 260 | 870 |
| 3 & 4-Methylphenol | ND | ug/Kg | 10 | 550 | 1900 |
| Naphthalene | 13000 | ug/Kg | 10 | 310 | 1000 |
| Phenanthrene | 11000 | ug/Kg | 10 | 370 | 1200 |
| Phenol | ND | ug/Kg | 10 | 280 | 940 |
| Pyrene | 4200 | ug/Kg | 10 | 360 | 1200 |
| Benzo[e]pyrene | [610] | ug/Kg | 10 | 380 | 1300 |
| 2-Fluorophenol (SURR**) | 83% | | | | |
| Phenol-d5 (SURR**) | 86% | | | | |
| Nitrobenzene-d5 (SURR**) | 80% | | | | |
| 2-Fluorobiphenyl (SURR**) | 96% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 78% | | | | |
| Terphenyl-d14 (SURR**) | 100% | | | | |

10 mL final extract volume.

Laboratory control spike recoveries for Phenanthrene, Anthracene, and Fluoranthene were outside QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89004**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/21/2005 12:03**

**Sample: 369089** **Soil, NS-SOGP103-6-8** **Collected: 04/27/05** **Analyzed: 05/17/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [55] | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | 130 | ug/Kg | 1 | 31 | 100 |
| Anthracene | 140 | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | 150 | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | 110 | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | [100] | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | [45] | ug/Kg | 1 | 38 | 130 |
| Chrysene | 140 | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | [79] | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | 160 | ug/Kg | 1 | 37 | 120 |
| Fluorene | 280 | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | 620 | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | 180 | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | 450 | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | 700 | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | 220 | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | [59] | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 59% | | | | |
| Phenol-d5 (SURR**) | 65% | | | | |
| Nitrobenzene-d5 (SURR**) | 66% | | | | |
| 2-Fluorobiphenyl (SURR**) | 74% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 74% | | | | |
| Terphenyl-d14 (SURR**) | 85% | | | | |

Laboratory control spike recoveries for Phenanthrene, Anthracene, and Fluoranthene were outside QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89004**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/21/2005 12:03**

**Sample: 369090** **Soil, NS-SOGP1 03-10-12** **Collected: 04/27/05** **Analyzed: 05/17/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | [72] | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | [79] | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | 140 | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | [78] | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 62% | | | | |
| Phenol-d5 (SURR**) | 64% | | | | |
| Nitrobenzene-d5 (SURR**) | 63% | | | | |
| 2-Fluorobiphenyl (SURR**) | 73% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 84% | | | | |
| Terphenyl-d14 (SURR**) | 83% | | | | |

Laboratory control spike recovery for Phenanthrene was outside QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89004**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 06/21/2005 12:03**

**Sample: 369091** **Soil, NS-SOGP147-2-4** **Collected: 04/27/05** **Analyzed: 05/17/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 64% | | | | |
| Phenol-d5 (SURR**) | 66% | | | | |
| Nitrobenzene-d5 (SURR**) | 63% | | | | |
| 2-Fluorobiphenyl (SURR**) | 71% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 84% | | | | |
| Terphenyl-d14 (SURR**) | 82% | | | | |

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89004**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP Printed: 06/21/2005 12:03**

**Sample: 369092 Soil, NS-SOGP147-13-15** **Collected: 04/27/05** **Analyzed: 05/17/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 21000 | ug/Kg | 40 | 1300 | 4300 |
| Acenaphthylene | [1700] | ug/Kg | 40 | 1200 | 4100 |
| Anthracene | 9900 | ug/Kg | 40 | 1500 | 5100 |
| Benzo[a]anthracene | 5900 | ug/Kg | 40 | 1400 | 4600 |
| Benzo[a]pyrene | 6100 | ug/Kg | 40 | 1400 | 4500 |
| Benzo[b]fluoranthene | [4600] | ug/Kg | 40 | 1500 | 5000 |
| Benzo[g,h,i]perylene | [2500] | ug/Kg | 40 | 1300 | 4300 |
| Benzo[k]fluoranthene | ND | ug/Kg | 40 | 1500 | 5100 |
| Chrysene | 5900 | ug/Kg | 40 | 1400 | 4800 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 40 | 1400 | 4500 |
| Dibenzofuran | ND | ug/Kg | 40 | 1300 | 4200 |
| Fluoranthene | 13000 | ug/Kg | 40 | 1500 | 5000 |
| Fluorene | 9000 | ug/Kg | 40 | 1300 | 4300 |
| Indeno[1,2,3-cd]pyrene | [1500] | ug/Kg | 40 | 1200 | 4200 |
| 1-Methylnaphthalene | 16000 | ug/Kg | 40 | 1300 | 4200 |
| 2-Methylnaphthalene | 19000 | ug/Kg | 40 | 1200 | 4100 |
| 2-Methylphenol | ND | ug/Kg | 40 | 1000 | 3500 |
| 3 & 4-Methylphenol | ND | ug/Kg | 40 | 2200 | 7700 |
| Naphthalene | 40000 | ug/Kg | 40 | 1200 | 4100 |
| Phenanthrene | 35000 | ug/Kg | 40 | 1500 | 4900 |
| Phenol | ND | ug/Kg | 40 | 1100 | 3800 |
| Pyrene | 22000 | ug/Kg | 40 | 1400 | 4700 |
| Benzo[e]pyrene | [3800] | ug/Kg | 40 | 1500 | 5100 |
| 2-Fluorophenol (SURR**) | 84% | | | | |
| Phenol-d5 (SURR**) | 90% | | | | |
| Nitrobenzene-d5 (SURR**) | 84% | | | | |
| 2-Fluorobiphenyl (SURR**) | 104% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 68% | | | | |
| Terphenyl-d14 (SURR**) | 107% | | | | |

10 mL final extract volume.

Laboratory control spike recoveries for Phenanthrene, Anthracene, and Fluoranthene were outside QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89004**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 06/21/2005 12:03**

**Sample: 369093** **Soil, NS-SOGP152-2-4** **Collected: 04/27/05** **Analyzed: 05/17/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | [51] | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | 130 | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | [77] | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 69% | | | | |
| Phenol-d5 (SURR**) | 70% | | | | |
| Nitrobenzene-d5 (SURR**) | 67% | | | | |
| 2-Fluorobiphenyl (SURR**) | 75% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 85% | | | | |
| Terphenyl-d14 (SURR**) | 85% | | | | |

Laboratory control spike recoveries for Phenanthrene and Fluoranthene were outside QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89004**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP Printed: 06/21/2005 12:03**

**Sample: 369094 Soil, NS-SQDup 11-0405** **Collected: 04/27/05** **Analyzed: 05/18/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | [94] | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | [60] | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 60% | | | | |
| Phenol-d5 (SURR**) | 63% | | | | |
| Nitrobenzene-d5 (SURR**) | 61% | | | | |
| 2-Fluorobiphenyl (SURR**) | 68% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 80% | | | | |
| Terphenyl-d14 (SURR**) | 76% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89004**
***Project Description: Xcel RIFS/25688375***
**Project Title:** **Template: 8270SNSP** **Printed: 06/21/2005 12:03**

**Sample: 369095** **Soil, NS-SOGP153-1-3** **Collected: 04/27/05** **Analyzed: 05/18/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 67% | | | | |
| Phenol-d5 (SURR**) | 69% | | | | |
| Nitrobenzene-d5 (SURR**) | 66% | | | | |
| 2-Fluorobiphenyl (SURR**) | 74% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 87% | | | | |
| Terphenyl-d14 (SURR**) | 85% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89004**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 06/21/2005 12:03**

**Sample: 369096** **Soil, NS-SOGP153-12-14** **Collected: 04/27/05** **Analyzed: 05/18/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 150 | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | [72] | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | [52] | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | [49] | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | [50] | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | 120 | ug/Kg | 1 | 37 | 120 |
| Fluorene | [69] | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | [79] | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | 100 | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | 91 | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | [120] | ug/Kg | 1 | 55 | 190 |
| Naphthalene | 190 | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | 300 | ug/Kg | 1 | 37 | 120 |
| Phenol | 160 | ug/Kg | 1 | 28 | 94 |
| Pyrene | 180 | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 66% | | | | |
| Phenol-d5 (SURR**) | 68% | | | | |
| Nitrobenzene-d5 (SURR**) | 66% | | | | |
| 2-Fluorobiphenyl (SURR**) | 70% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 82% | | | | |
| Terphenyl-d14 (SURR**) | 85% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89004**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 06/21/2005 12:03**

**Sample: 369097** **Soil, NS-SOGP158-0-2** **Collected: 04/27/05** **Analyzed: 05/18/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 72% | | | | |
| Phenol-d5 (SURR**) | 73% | | | | |
| Nitrobenzene-d5 (SURR**) | 68% | | | | |
| 2-Fluorobiphenyl (SURR**) | 73% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 91% | | | | |
| Terphenyl-d14 (SURR**) | 86% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89004**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/21/2005 12:03**

**Sample: 369098** **Soil, NS-SOGP..57-1-3** **Collected: 04/27/05** **Analyzed: 05/18/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | [60] | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | [59] | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | [47] | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | [39] | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | [70] | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | [54] | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 59% | | | | |
| Phenol-d5 (SURR**) | 67% | | | | |
| Nitrobenzene-d5 (SURR**) | 70% | | | | |
| 2-Fluorobiphenyl (SURR**) | 75% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 70% | | | | |
| Terphenyl-d14 (SURR**) | 82% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89004**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 06/21/2005 12:03**

**Sample: 369099** **Soil, NS-SOGP157-10-12** **Collected: 04/27/05** **Analyzed: 05/18/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 760 | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | [89] | ug/Kg | 1 | 31 | 100 |
| Anthracene | 430 | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | 260 | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | 270 | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | 220 | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | 120 | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | [72] | ug/Kg | 1 | 38 | 130 |
| Chrysene | 300 | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | 590 | ug/Kg | 1 | 37 | 120 |
| Fluorene | 370 | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | [76] | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | 490 | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | 1400 | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | 940 | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | 190 | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 50% | | | | |
| Phenol-d5 (SURR**) | 63% | | | | |
| Nitrobenzene-d5 (SURR**) | 68% | | | | |
| 2-Fluorobiphenyl (SURR**) | 70% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 68% | | | | |
| Terphenyl-d14 (SURR**) | 79% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike recoveries for 1-Methylnaphthalene were below QC limits.

** Surrogates are used to evaluate a method's Quality Control.

# ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89004**
**Project Description: Xcel RIFS 25688375**
**Project Title:** **Template: SAT2SNSP** **Printed: 06/21/2005 12:02**

**Sample: 369084** **Soil, NS-SOGP136-1-3** **Collected: 04/26/05** **Analyzed: 05/10/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 2600 | ug/kg | 2 | 21 | 67 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 96% | | | | |
| Toluene-d8 (SURR**) | 107% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

**Sample: 369085** **Soil, NS-SOGP136-4-6** **Collected: 04/26/05** **Analyzed: 05/10/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 290 | ug/kg | 5 | 76 | 250 |
| sec-Butylbenzene | ND | ug/kg | 5 | 96 | 320 |
| Ethylbenzene | [110] | ug/kg | 5 | 77 | 260 |
| ortho-Xylene | ND | ug/kg | 5 | 64 | 210 |
| Styrene | ND | ug/kg | 5 | 86 | 290 |
| Toluene | 280 | ug/kg | 5 | 53 | 170 |
| 1,2,4-Trimethylbenzene | 720 | ug/kg | 5 | 73 | 250 |
| 1,3,5-Trimethylbenzene | 340 | ug/kg | 5 | 82 | 270 |
| meta,para-Xylene | ND | ug/kg | 5 | 130 | 440 |
| 1,2,3-Trimethylbenzene | 350 | ug/kg | 5 | 94 | 320 |
| Dibromofluoromethane (SURR**) | 98% | | | | |
| Toluene-d8 (SURR**) | 110% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 98% | | | | |

Sample was diluted due to non-target compounds.
Sample collection weight exceeded 35 grams.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89004**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 06/21/2005 12:02**

**Sample: 369086** **Soil, NS-SOGP133-1-3** **Collected: 04/26/05** **Analyzed: 05/10/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [17] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 98% | | | | |
| Toluene-d8 (SURR**) | 108% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

**Sample: 369087** **Soil, NS-SOGP133-4-6** **Collected: 04/26/05** **Analyzed: 05/10/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 120 | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | 71 | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | [34] | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 1200 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | 57 | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | [37] | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 101% | | | | |
| Toluene-d8 (SURR**) | 114% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89004**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 06/21/2005 12:02**

**Sample: 369088** **Soil, NS-SOGP103-2-4** **Collected: 04/27/05** **Analyzed: 05/10/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 2 | 30 | 100 |
| sec-Butylbenzene | ND | ug/kg | 2 | 39 | 130 |
| Ethylbenzene | 420 | ug/kg | 2 | 31 | 100 |
| ortho-Xylene | 320 | ug/kg | 2 | 25 | 85 |
| Styrene | ND | ug/kg | 2 | 35 | 120 |
| Toluene | ND | ug/kg | 2 | 21 | 67 |
| 1,2,4-Trimethylbenzene | 1300 | ug/kg | 2 | 29 | 98 |
| 1,3,5-Trimethylbenzene | 350 | ug/kg | 2 | 33 | 110 |
| meta,para-Xylene | 280 | ug/kg | 2 | 50 | 180 |
| 1,2,3-Trimethylbenzene | 410 | ug/kg | 2 | 38 | 130 |
| Dibromofluoromethane (SURR**) | 97% | | | | |
| Toluene-d8 (SURR**) | 110% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 103% | | | | |

Sample was diluted due to a high level of Naphthalene.

**Sample: 369089** **Soil, NS-SOGP103-6-8** **Collected: 04/27/05** **Analyzed: 05/10/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 2 | 30 | 100 |
| sec-Butylbenzene | ND | ug/kg | 2 | 39 | 130 |
| Ethylbenzene | ND | ug/kg | 2 | 31 | 100 |
| ortho-Xylene | [35] | ug/kg | 2 | 25 | 85 |
| Styrene | ND | ug/kg | 2 | 35 | 120 |
| Toluene | 3300 | ug/kg | 2 | 21 | 67 |
| 1,2,4-Trimethylbenzene | 100 | ug/kg | 2 | 29 | 98 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 2 | 33 | 110 |
| meta,para-Xylene | ND | ug/kg | 2 | 50 | 180 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 2 | 38 | 130 |
| Dibromofluoromethane (SURR**) | 98% | | | | |
| Toluene-d8 (SURR**) | 111% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89004**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 06/21/2005 12:02**

**Sample: 369090** **Soil, NS-SOGP103-10-12** **Collected: 04/27/05** **Analyzed: 05/10/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | [22] | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 99% | | | | |
| Toluene-d8 (SURR**) | 113% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 103% | | | | |

**Sample: 369091** **Soil, NS-SOGP147-2-4** **Collected: 04/27/05** **Analyzed: 05/10/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [14] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 113% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 104% | | | | |

**Sample: 369092** **Soil, NS-SOGP147-13-15** **Collected: 04/27/05** **Analyzed: 05/10/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 3500 | ug/kg | 2 | 30 | 100 |
| sec-Butylbenzene | ND | ug/kg | 2 | 39 | 130 |
| Ethylbenzene | 2300 | ug/kg | 2 | 31 | 100 |
| ortho-Xylene | 730 | ug/kg | 2 | 25 | 85 |
| Styrene | ND | ug/kg | 2 | 35 | 120 |
| Toluene | 2000 | ug/kg | 2 | 21 | 67 |
| 1,2,4-Trimethylbenzene | 1300 | ug/kg | 2 | 29 | 98 |
| 1,3,5-Trimethylbenzene | 510 | ug/kg | 2 | 33 | 110 |
| meta,para-Xylene | 1400 | ug/kg | 2 | 50 | 180 |
| 1,2,3-Trimethylbenzene | 420 | ug/kg | 2 | 38 | 130 |
| Dibromofluoromethane (SURR**) | 108% | | | | |
| Toluene-d8 (SURR**) | 115% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 117% | | | | |

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89004**
**Project Description: Xcel RIFS 25688375**
**Project Title:** **Template: SAT2SNSP Printed: 06/21/2005 12:02**

**Sample: 369093 Soil, NS-SOGP152-2-4** **Collected: 04/27/05** **Analyzed: 05/10/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [25] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 106% | | | | |
| Toluene-d8 (SURR**) | 117% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 103% | | | | |

**Sample: 369094 Soil, NS-SQDup11-0405** **Collected: 04/27/05** **Analyzed: 05/10/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 280 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 104% | | | | |
| Toluene-d8 (SURR**) | 113% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 106% | | | | |

**Sample: 369095 Soil, NS-SOGP153-1-3** **Collected: 04/27/05** **Analyzed: 05/10/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 61 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 115% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 107% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89004**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 06/21/2005 12:02**

**Sample: 369096** **Soil, NS-SOGP153-12-14** **Collected: 04/27/05** **Analyzed: 05/11/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 1700 | ug/kg | 2 | 30 | 100 |
| sec-Butylbenzene | ND | ug/kg | 2 | 39 | 130 |
| Ethylbenzene | 410 | ug/kg | 2 | 31 | 100 |
| ortho-Xylene | 120 | ug/kg | 2 | 25 | 85 |
| Styrene | ND | ug/kg | 2 | 35 | 120 |
| Toluene | 2200 | ug/kg | 2 | 21 | 67 |
| 1,2,4-Trimethylbenzene | 110 | ug/kg | 2 | 29 | 98 |
| 1,3,5-Trimethylbenzene | [45] | ug/kg | 2 | 33 | 110 |
| meta,para-Xylene | 280 | ug/kg | 2 | 50 | 180 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 2 | 38 | 130 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 108% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

**Sample: 369097** **Soil, NS-SOGP158-0-2** **Collected: 04/27/05** **Analyzed: 05/11/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 82 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 108% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

**Sample: 369098** **Soil, NS-SOGP157-1-3** **Collected: 04/27/05** **Analyzed: 05/11/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [29] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 102% | | | | |
| Toluene-d8 (SURR**) | 110% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89004**
**Project Description: Xcel RIFS 25688375**
**Project Title:** **Template: SAT2SNSP** **Printed: 06/21/2005 12:02**

**Sample: 369099** **Soil, NS-SOGP157-10-12** **Collected: 04/27/05** **Analyzed: 05/11/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 170 | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | 330 | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | 87 | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 260 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | 300 | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | 120 | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | [70] | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | 110 | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 97% | | | | |
| Toluene-d8 (SURR**) | 114% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 103% | | | | |

**Sample: 369100** **NS-SQMeOHBlank 9-0405** **Collected: 04/27/05** **Analyzed: 05/11/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [13] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 102% | | | | |
| Toluene-d8 (SURR**) | 111% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 98% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

NORTHERN LAKE SERVICE, INC.
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 89051
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP151-1-3 NLS ID: 369245**
Ref. Line 1 COC 76420 Soil, NS-SOGP151-1-3 Matrix: SO
Collected: 04/27/05 15:20 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 2800 | mg/Kg DWB | 1 | 6.8 | 25 | 06/17/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 0.97 | 3.4 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.77 | 2.7 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 30 | mg/Kg DWB | 1 | 0.16 | 0.32 | 06/19/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | ND | mg/Kg DWB | 5 | 0.16 | 0.57 | 06/19/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.24 | 0.87 | 06/17/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 2800 | mg/Kg DWB | 10 | 49 | 97 | 06/17/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 5.9 | mg/Kg DWB | 1 | 0.49* | 1.7 | 06/21/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.29 | mg/Kg DWB | 2 | 0.15* | | 05/11/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 6.2 | mg/Kg DWB | 1 | 0.49 | 1.7 | 06/17/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 2.2 | mg/Kg DWB | 1 | 0.45 | 1.6 | 06/19/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 6.0 | mg/Kg DWB | 1 | 0.19 | 0.71 | 06/17/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.10 | 0.30 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 7300 | mg/Kg DWB | 10 | 9.1 | 34 | 06/17/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.2 | 19 | 06/17/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 1900 | mg/Kg DWB | 10 | 49 | 97 | 06/17/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 99 | mg/Kg DWB | 1 | 0.11 | 0.32 | 06/19/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.086 | 0.30 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 5.8 | mg/Kg DWB | 1 | 1.1 | 4.1 | 06/17/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 350 | mg/Kg DWB | 1 | 12 | 42 | 06/16/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.90 | 3.1 | 06/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.47 | 1.7 | 06/17/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 66 | mg/Kg DWB | 1 | 1.1 | 3.9 | 06/16/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 92.3 | % | 1 | 0.10* | | 05/02/05 | ASTM D2216 | 721026460 |
| *Thallium, tot. recoverable by furnace AAS* | ND | mg/Kg DWB | 20 | 1.2 | 4.1 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 16 | mg/Kg DWB | 1 | 0.28 | 1.0 | 06/19/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 10 | mg/Kg DWB | 1 | 0.22 | 0.65 | 06/17/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/13/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/19/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/10/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 89051
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP154-2-4 NLS ID: 369246**
Ref. Line 2 COC 76420 Soil, NS-SOGP154-2-4 Matrix: SO
Collected: 04/27/05 15:50 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 3000 | mg/Kg DWB | 1 | 6.9 | 26 | 06/17/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.5 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 1.0 | 3.6 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 30 | mg/Kg DWB | 1 | 0.17 | 0.33 | 06/19/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.22] | mg/Kg DWB | 5 | 0.17 | 0.58 | 06/19/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.24 | 0.89 | 06/17/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 2700 | mg/Kg DWB | 10 | 50 | 99 | 06/17/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 7.2 | mg/Kg DWB | 1 | 0.50* | 1.8 | 06/21/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.15* | | 05/11/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 7.2 | mg/Kg DWB | 1 | 0.50 | 1.8 | 06/17/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 2.0 | mg/Kg DWB | 1 | 0.46 | 1.6 | 06/19/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 5.5 | mg/Kg DWB | 1 | 0.20 | 0.73 | 06/17/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.099 | 0.30 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 8000 | mg/Kg DWB | 10 | 9.3 | 34 | 06/17/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.4 | 20 | 06/17/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 2100 | mg/Kg DWB | 10 | 50 | 99 | 06/17/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 97 | mg/Kg DWB | 1 | 0.11 | 0.33 | 06/19/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.085 | 0.30 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 6.2 | mg/Kg DWB | 1 | 1.2 | 4.2 | 06/17/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 410 | mg/Kg DWB | 1 | 12 | 43 | 06/16/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.1 | 06/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.48 | 1.7 | 06/17/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 73 | mg/Kg DWB | 1 | 1.1 | 4.0 | 06/16/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 93.1 | % | 1 | 0.10* | | 05/02/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.4 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 17 | mg/Kg DWB | 1 | 0.29 | 1.1 | 06/19/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 11 | mg/Kg DWB | 1 | 0.22 | 0.66 | 06/17/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/12/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/19/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/10/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RIFS/25688375

NLS Project: 89051
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

**Soil, NS-SOGP154-13-15 NLS ID: 369247**
Ref. Line 3 COC 76420 Soil, NS-SOGP154-13-15 Matrix: SO
Collected: 04/27/05 16:30 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 10000 | mg/Kg DWB | 1 | 7.4 | 28 | 06/17/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 0.98 | 3.5 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [0.93] | mg/Kg DWB | 20 | 0.78 | 2.8 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 75 | mg/Kg DWB | 1 | 0.18 | 0.35 | 06/19/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.55] | mg/Kg DWB | 5 | 0.18 | 0.62 | 06/19/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.26 | 0.96 | 06/17/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 17000 | mg/Kg DWB | 10 | 53 | 110 | 06/17/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 18 | mg/Kg DWB | 1 | 0.53* | 1.9 | 06/21/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.24 | mg/Kg DWB | 2 | 0.16* | | 05/11/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 18 | mg/Kg DWB | 1 | 0.53 | 1.9 | 06/17/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.5 | mg/Kg DWB | 1 | 0.50 | 1.7 | 06/19/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 13 | mg/Kg DWB | 1 | 0.21 | 0.78 | 06/17/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.35 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 18000 | mg/Kg DWB | 10 | 9.9 | 37 | 06/17/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.7 | 21 | 06/17/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 8600 | mg/Kg DWB | 10 | 53 | 110 | 06/17/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 250 | mg/Kg DWB | 1 | 0.12 | 0.35 | 06/19/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.089 | 0.32 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 16 | mg/Kg DWB | 1 | 1.2 | 4.5 | 06/17/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1600 | mg/Kg DWB | 1 | 13 | 46 | 06/16/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.91 | 3.2 | 06/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.51 | 1.8 | 06/17/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 170 | mg/Kg DWB | 1 | 1.2 | 4.2 | 06/16/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 88.5 | % | 1 | 0.10* | | 05/02/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.1 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 31 | mg/Kg DWB | 1 | 0.31 | 1.1 | 06/19/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 32 | mg/Kg DWB | 1 | 0.24 | 0.71 | 06/17/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/12/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/19/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/10/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 89051
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP148 1-3 NLS ID: 369148**
Ref. Line 4 COC 76420 Soil, NS-SOGP148 1-3 Matrix: SO
Collected: 04/27/05 16:50 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 3700 | mg/Kg DWB | 1 | 6.1 | 23 | 06/17/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.0 | 3.6 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.80 | 2.8 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 33 | mg/Kg DWB | 1 | 0.14 | 0.29 | 06/19/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 3.0 | mg/Kg DWB | 5 | 0.14 | 0.51 | 06/19/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.21 | 0.78 | 06/17/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 5700 | mg/Kg DWB | 10 | 43 | 87 | 06/17/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 7.8 | mg/Kg DWB | 1 | 0.43* | 1.5 | 06/21/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.23 | mg/Kg DWB | 2 | 0.15* | | 05/11/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 8.0 | mg/Kg DWB | 1 | 0.43 | 1.5 | 06/17/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 2.3 | mg/Kg DWB | 1 | 0.41 | 1.4 | 06/19/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 6.5 | mg/Kg DWB | 1 | 0.17 | 0.64 | 06/17/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.34 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 8500 | mg/Kg DWB | 10 | 8.1 | 30 | 06/17/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [5.3] | mg/Kg DWB | 1 | 4.7 | 17 | 06/17/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 2600 | mg/Kg DWB | 10 | 43 | 87 | 06/17/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 100 | mg/Kg DWB | 1 | 0.096 | 0.29 | 06/19/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.085 | 0.30 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 6.6 | mg/Kg DWB | 1 | 1.0 | 3.7 | 06/17/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 420 | mg/Kg DWB | 1 | 10 | 38 | 06/16/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.94 | 3.2 | 06/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.42 | 1.5 | 06/17/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 75 | mg/Kg DWB | 1 | 0.96 | 3.5 | 06/16/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 93.2 | % | 1 | 0.10* | | 05/02/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.2 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 19 | mg/Kg DWB | 1 | 0.25 | 0.93 | 06/19/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 12 | mg/Kg DWB | 1 | 0.19 | 0.58 | 06/17/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/12/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/19/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/10/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
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# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 89051**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

**Soil, NS-SQDup12-0405 NLS ID: 369249**
Ref. Line 5 COC 76420 Soil, NS-SQDup12-0405 Matrix: SO
Collected: 04/27/05 00:00 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 3100 | mg/Kg DWB | 1 | 6.6 | 24 | 06/17/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.6 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 1.0 | 3.7 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 32 | mg/Kg DWB | 1 | 0.16 | 0.31 | 06/19/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.19] | mg/Kg DWB | 5 | 0.16 | 0.55 | 06/19/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.23 | 0.85 | 06/17/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 2700 | mg/Kg DWB | 10 | 47 | 94 | 06/17/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 6.1 | mg/Kg DWB | 1 | 0.47* | 1.7 | 06/21/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.44 | mg/Kg DWB | 2 | 0.15* | | 05/11/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 6.5 | mg/Kg DWB | 1 | 0.47 | 1.7 | 06/17/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 2.0 | mg/Kg DWB | 1 | 0.44 | 1.5 | 06/19/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 5.6 | mg/Kg DWB | 1 | 0.18 | 0.69 | 06/17/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.34 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 7500 | mg/Kg DWB | 10 | 8.8 | 33 | 06/17/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.1 | 18 | 06/17/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 1900 | mg/Kg DWB | 10 | 47 | 94 | 06/17/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 90 | mg/Kg DWB | 1 | 0.10 | 0.31 | 06/19/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.086 | 0.30 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 4.9 | mg/Kg DWB | 1 | 1.1 | 4.0 | 06/17/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 370 | mg/Kg DWB | 1 | 11 | 41 | 06/16/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.2 | 06/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.45 | 1.6 | 06/17/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 82 | mg/Kg DWB | 1 | 1.0 | 3.8 | 06/16/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 92.0 | % | 1 | 0.10* | | 05/02/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.5 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 17 | mg/Kg DWB | 1 | 0.27 | 1.0 | 06/19/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 9.7 | mg/Kg DWB | 1 | 0.21 | 0.63 | 06/17/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/12/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/19/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/10/05 | SW846 3550B | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 89051
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP149-1-3 MS/MSD NLS ID: 369250**
Ref. Line 6 COC 76420 Soil, NS-SOGP149 1-3 MS/MSD Matrix: SO
Collected: 04/28/05 07:40 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 2400 | mg/Kg DWB | 1 | 7.1 | 26 | 06/17/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.4 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.99 | 3.5 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 25 | mg/Kg DWB | 1 | 0.17 | 0.34 | 06/19/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.14] | mg/Kg DWB | 2 | 0.068 | 0.24 | 06/19/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.25 | 0.91 | 06/17/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 2400 | mg/Kg DWB | 10 | 51 | 100 | 06/17/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 5.7 | mg/Kg DWB | 1 | 0.51* | 1.8 | 06/21/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.23 | mg/Kg DWB | 2 | 0.15* | | 05/11/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 6.0 | mg/Kg DWB | 1 | 0.51 | 1.8 | 06/17/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 1.8 | mg/Kg DWB | 1 | 0.47 | 1.7 | 06/19/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 5.1 | mg/Kg DWB | 1 | 0.20 | 0.74 | 06/17/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.10 | 0.30 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 6700 | mg/Kg DWB | 10 | 9.5 | 35 | 06/17/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.5 | 20 | 06/17/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 1600 | mg/Kg DWB | 10 | 51 | 100 | 06/17/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 81 | mg/Kg DWB | 1 | 0.11 | 0.34 | 06/19/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.085 | 0.30 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | [4.2] | mg/Kg DWB | 1 | 1.2 | 4.3 | 06/17/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 330 | mg/Kg DWB | 1 | 12 | 44 | 06/16/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.0 | 06/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.49 | 1.8 | 06/17/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 63 | mg/Kg DWB | 1 | 1.1 | 4.1 | 06/16/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 93.1 | % | 1 | 0.10* | | 05/02/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.2 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 14 | mg/Kg DWB | 1 | 0.29 | 1.1 | 06/19/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 8.4 | mg/Kg DWB | 1 | 0.23 | 0.68 | 06/17/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/12/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/19/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/10/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 89051**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

**Soil, NS-SOGP150-0-2 NLS ID: 369251**
Ref. Line 7 COC 76420 Soil, NS-SOGP150-0-2 Matrix: SO
Collected: 04/28/05 08:40 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 3000 | mg/Kg DWB | 1 | 6.7 | 25 | 06/17/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 0.98 | 3.5 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.78 | 2.8 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 29 | mg/Kg DWB | 1 | 0.16 | 0.32 | 06/19/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | ND | mg/Kg DWB | 5 | 0.16 | 0.56 | 06/19/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.23 | 0.86 | 06/17/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 2800 | mg/Kg DWB | 10 | 48 | 95 | 06/17/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 6.9 | mg/Kg DWB | 1 | 0.48* | 1.7 | 06/21/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.19 | mg/Kg DWB | 2 | 0.16* | | 05/11/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 7.0 | mg/Kg DWB | 1 | 0.48 | 1.7 | 06/17/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 2.1 | mg/Kg DWB | 1 | 0.44 | 1.6 | 06/19/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 6.1 | mg/Kg DWB | 1 | 0.19 | 0.70 | 06/17/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.32 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 8300 | mg/Kg DWB | 10 | 8.9 | 33 | 06/17/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.1 | 19 | 06/17/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 1900 | mg/Kg DWB | 10 | 48 | 95 | 06/17/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 94 | mg/Kg DWB | 1 | 0.10 | 0.32 | 06/19/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.085 | 0.30 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 5.5 | mg/Kg DWB | 1 | 1.1 | 4.0 | 06/17/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 370 | mg/Kg DWB | 1 | 11 | 42 | 06/16/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.91 | 3.2 | 06/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.46 | 1.6 | 06/17/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 70 | mg/Kg DWB | 1 | 1.0 | 3.8 | 06/16/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 92.9 | % | 1 | 0.10* | | 05/02/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.1 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 17 | mg/Kg DWB | 1 | 0.28 | 1.0 | 06/19/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 10 | mg/Kg DWB | 1 | 0.21 | 0.63 | 06/17/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/12/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/19/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/10/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 89051
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP150-13-15 NLS ID: 369252**
Ref. Line 8 COC 76420 Soil, NS-SOGP150-13-15 Matrix: SO
Collected: 04/28/05 09:15 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 9100 | mg/Kg DWB | 1 | 7.0 | 26 | 06/17/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 3.9 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.3] | mg/Kg DWB | 20 | 0.87 | 3.1 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 72 | mg/Kg DWB | 1 | 0.17 | 0.33 | 06/19/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.54] | mg/Kg DWB | 5 | 0.17 | 0.59 | 06/19/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.25 | 0.90 | 06/17/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 17000 | mg/Kg DWB | 10 | 50 | 100 | 06/17/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 17 | mg/Kg DWB | 1 | 0.50* | 1.8 | 06/21/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 05/11/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 17 | mg/Kg DWB | 1 | 0.50 | 1.8 | 06/17/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 5.9 | mg/Kg DWB | 1 | 0.47 | 1.6 | 06/19/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 12 | mg/Kg DWB | 1 | 0.20 | 0.74 | 06/17/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.32 | 05/09/05 | EPA 335.4M | 721026460 |
| | *LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control.* | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 17000 | mg/Kg DWB | 10 | 9.4 | 35 | 06/17/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.4 | 20 | 06/17/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 7900 | mg/Kg DWB | 10 | 50 | 100 | 06/17/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 220 | mg/Kg DWB | 1 | 0.11 | 0.33 | 06/19/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.089 | 0.32 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 14 | mg/Kg DWB | 1 | 1.2 | 4.2 | 06/17/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1500 | mg/Kg DWB | 1 | 12 | 44 | 06/16/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.0 | 3.5 | 06/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.49 | 1.7 | 06/17/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 160 | mg/Kg DWB | 1 | 1.1 | 4.0 | 06/16/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 88.8 | % | 1 | 0.10* | | 05/02/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.6 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 30 | mg/Kg DWB | 1 | 0.29 | 1.1 | 06/19/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 29 | mg/Kg DWB | 1 | 0.22 | 0.67 | 06/17/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/12/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/19/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/10/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 89051**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

**Soil, NS-SOGP155-1-3 NLS ID: 369253**
Ref. Line 9 COC 76420 Soil, NS-SOGP155-1-3 Matrix: SO
Collected: 04/28/05 09:40 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 3100 | mg/Kg DWB | 1 | 7.1 | 26 | 06/17/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 3.8 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.85 | 3.0 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 31 | mg/Kg DWB | 1 | 0.17 | 0.34 | 06/19/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | ND | mg/Kg DWB | 5 | 0.17 | 0.59 | 06/19/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.25 | 0.91 | 06/17/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 2600 | mg/Kg DWB | 10 | 51 | 100 | 06/17/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 7.3 | mg/Kg DWB | 1 | 0.51* | 1.8 | 06/21/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.18 | mg/Kg DWB | 2 | 0.16* | | 05/11/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 7.4 | mg/Kg DWB | 1 | 0.51 | 1.8 | 06/17/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 2.2 | mg/Kg DWB | 1 | 0.47 | 1.7 | 06/19/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 6.6 | mg/Kg DWB | 1 | 0.20 | 0.74 | 06/17/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.32 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 7800 | mg/Kg DWB | 10 | 9.5 | 35 | 06/17/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.5 | 20 | 06/17/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 1800 | mg/Kg DWB | 10 | 51 | 100 | 06/17/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 110 | mg/Kg DWB | 1 | 0.11 | 0.34 | 06/19/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.086 | 0.30 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 5.9 | mg/Kg DWB | 1 | 1.2 | 4.3 | 06/17/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 390 | mg/Kg DWB | 1 | 12 | 44 | 06/16/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.0 | 3.5 | 06/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.49 | 1.8 | 06/17/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 61 | mg/Kg DWB | 1 | 1.1 | 4.1 | 06/16/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 92.1 | % | 1 | 0.10* | | 05/02/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.5 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 17 | mg/Kg DWB | 1 | 0.29 | 1.1 | 06/19/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 9.8 | mg/Kg DWB | 1 | 0.23 | 0.68 | 06/17/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/12/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/19/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/10/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 89051
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP155-5-7 NLS ID: 369254**
Ref. Line 10 COC 76420 Soil, NS-SOGP155-5-7 Matrix: SO
Collected: 04/28/05 09:50 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 14000 | mg/Kg DWB | 1 | 8.1 | 30 | 06/17/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 0.95 | 3.4 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.1] | mg/Kg DWB | 20 | 0.76 | 2.7 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 100 | mg/Kg DWB | 1 | 0.19 | 0.39 | 06/19/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.71 | mg/Kg DWB | 5 | 0.19 | 0.67 | 06/19/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.29 | 1.0 | 06/17/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 18000 | mg/Kg DWB | 10 | 58 | 120 | 06/17/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 28 | mg/Kg DWB | 1 | 0.58* | 2.0 | 06/21/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.21 | mg/Kg DWB | 2 | 0.18* | | 05/11/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 29 | mg/Kg DWB | 1 | 0.58 | 2.0 | 06/17/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 8.2 | mg/Kg DWB | 1 | 0.54 | 1.9 | 06/19/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 29 | mg/Kg DWB | 1 | 0.23 | 0.85 | 06/17/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.21] | mg/Kg DWB | 1 | 0.11 | 0.34 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 23000 | mg/Kg DWB | 10 | 11 | 40 | 06/17/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 59 | mg/Kg DWB | 1 | 6.2 | 23 | 06/17/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 8800 | mg/Kg DWB | 10 | 58 | 120 | 06/17/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 430 | mg/Kg DWB | 1 | 0.13 | 0.39 | 06/19/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.097 | 0.34 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 21 | mg/Kg DWB | 1 | 1.3 | 4.9 | 06/17/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1900 | mg/Kg DWB | 1 | 14 | 50 | 06/16/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.89 | 3.1 | 06/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | 4.0 | mg/Kg DWB | 1 | 0.56 | 2.0 | 06/17/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 200 | mg/Kg DWB | 1 | 1.3 | 4.6 | 06/16/05 | SW846 6010 | 721026460 |
| Solics, total on solids | 81.3 | % | 1 | 0.10* | | 05/02/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 4.0 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 35 | mg/Kg DWB | 1 | 0.34 | 1.2 | 06/19/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 92 | mg/Kg DWB | 1 | 0.26 | 0.77 | 06/17/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/13/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/31/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/11/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 89051
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP156-0-2 NLS ID: 369255**
Ref. Line 1 COC 76421 Soil, NS-SOGP156-0-2 Matrix: SO
Collected: 04/28/05 10:30 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 3500 | mg/Kg DWB | 1 | 5.6 | 21 | 06/17/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.3 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.96 | 3.4 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 36 | mg/Kg DWB | 1 | 0.13 | 0.27 | 06/19/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.44] | mg/Kg DWB | 5 | 0.13 | 0.47 | 06/19/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.20 | 0.72 | 06/17/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 3700 | mg/Kg DWB | 10 | 40 | 80 | 06/17/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 7.6 | mg/Kg DWB | 1 | 0.40* | 1.4 | 06/21/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.23 | mg/Kg DWB | 2 | 0.15* | | 05/11/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 7.8 | mg/Kg DWB | 1 | 0.40 | 1.4 | 06/17/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 2.3 | mg/Kg DWB | 1 | 0.37 | 1.3 | 06/19/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 7.3 | mg/Kg DWB | 1 | 0.16 | 0.59 | 06/17/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.33 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 8900 | mg/Kg DWB | 10 | 7.5 | 28 | 06/17/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 4.3 | 16 | 06/17/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 2800 | mg/Kg DWB | 10 | 40 | 80 | 06/17/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 110 | mg/Kg DWB | 1 | 0.088 | 0.27 | 06/19/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.086 | 0.31 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 7.9 | mg/Kg DWB | 1 | 0.94 | 3.4 | 06/17/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 450 | mg/Kg DWB | 1 | 9.6 | 35 | 06/16/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.1 | 3.9 | 06/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.39 | 1.4 | 06/17/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 79 | mg/Kg DWB | 1 | 0.88 | 3.2 | 06/16/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 91.7 | % | 1 | 0.10* | | 05/03/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 5.1 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 19 | mg/Kg DWB | 1 | 0.23 | 0.86 | 06/19/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 12 | mg/Kg DWB | 1 | 0.18 | 0.54 | 06/17/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/13/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/31/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/11/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 89051
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP156-4-6 NLS ID: 369256**
Ref. Line 2 COC 76421 Soil, NS-SOGP156-4-6 Matrix: SO
Collected: 04/28/05 11:00 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 17000 | mg/Kg DWB | 1 | 9.9 | 37 | 06/17/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [1.9] | mg/Kg DWB | 20 | 1.5 | 5.4 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 4.7 | mg/Kg DWB | 20 | 1.2 | 4.3 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 330 | mg/Kg DWB | 1 | 0.24 | 0.47 | 06/19/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 11 | mg/Kg DWB | 5 | 0.24 | 0.83 | 06/19/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.35 | 1.3 | 06/17/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 32000 | mg/Kg DWB | 10 | 71 | 140 | 06/17/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 23 | mg/Kg DWB | 1 | 0.71* | 2.5 | 06/21/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.25 | mg/Kg DWB | 2 | 0.21* | | 05/11/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 23 | mg/Kg DWB | 1 | 0.71 | 2.5 | 06/17/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.2 | mg/Kg DWB | 1 | 0.66 | 2.3 | 06/19/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 30 | mg/Kg DWB | 1 | 0.28 | 1.0 | 06/17/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.40] | mg/Kg DWB | 1 | 0.14 | 0.43 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 23000 | mg/Kg DWB | 10 | 13 | 49 | 06/17/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 50 | mg/Kg DWB | 1 | 7.7 | 28 | 06/17/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 8000 | mg/Kg DWB | 10 | 71 | 140 | 06/17/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 2000 | mg/Kg DWB | 10 | 1.6 | 4.7 | 06/19/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.41 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 17 | mg/Kg DWB | 1 | 1.7 | 6.0 | 06/17/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 6200 | mg/Kg DWB | 1 | 17 | 62 | 06/16/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.4 | 4.9 | 06/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.69 | 2.5 | 06/17/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 500 | mg/Kg DWB | 1 | 1.6 | 5.7 | 06/16/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 67.8 | % | 1 | 0.10* | | 05/03/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.8 | 6.4 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 34 | mg/Kg DWB | 1 | 0.41 | 1.5 | 06/19/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 99 | mg/Kg DWB | 1 | 0.32 | 0.95 | 06/17/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/17/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/31/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/11/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
***Milwaukee,WI 53226 4827***

**NLS Project: 89051**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

**Soil, NS-SOGP145-2-4 NLS ID: 369257**
Ref. Line 3 COC 76421 Soil, NS-SOGP145-2-4 Matrix: SO
Collected: 04/28/05 11:30 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 16000 | mg/Kg DWB | 1 | 7.4 | 27 | 06/17/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [1.6] | mg/Kg DWB | 20 | 1.3 | 4.7 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.9] | mg/Kg DWB | 20 | 1.0 | 3.7 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 87 | mg/Kg DWB | 1 | 0.18 | 0.35 | 06/19/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.63] | mg/Kg DWB | 10 | 0.35 | 1.2 | 06/19/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.26 | 0.95 | 06/17/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 40000 | mg/Kg DWB | 10 | 53 | 110 | 06/17/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 33 | mg/Kg DWB | 1 | 0.53* | 1.9 | 06/21/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 05/11/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 33 | mg/Kg DWB | 1 | 0.53 | 1.9 | 06/17/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 10 | mg/Kg DWB | 1 | 0.49 | 1.7 | 06/19/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 22 | mg/Kg DWB | 1 | 0.21 | 0.77 | 06/17/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.34 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 30000 | mg/Kg DWB | 10 | 9.8 | 37 | 06/17/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [11] | mg/Kg DWB | 1 | 5.7 | 21 | 06/17/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 15000 | mg/Kg DWB | 10 | 53 | 110 | 06/17/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 340 | mg/Kg DWB | 1 | 0.12 | 0.35 | 06/19/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.10 | 0.35 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 23 | mg/Kg DWB | 1 | 1.2 | 4.5 | 06/17/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2400 | mg/Kg DWB | 1 | 13 | 46 | 06/16/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.2 | 06/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.51 | 1.8 | 06/17/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 150 | mg/Kg DWB | 1 | 1.2 | 4.2 | 06/16/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 79.0 | % | 1 | 0.10* | | 05/03/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.5 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 40 | mg/Kg DWB | 1 | 0.31 | 1.1 | 06/19/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 46 | mg/Kg DWB | 1 | 0.24 | 0.70 | 06/17/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/13/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/31/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/11/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 89051
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SQDup13-0405 NLS ID: 369258**
Ref. Line 4 COC 76421 Soil, NS-SQDup13-0405 Matrix: SO
Collected: 04/28/05 00:00 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 17000 | mg/Kg DWB | 1 | 7.2 | 27 | 06/17/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.4 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.7] | mg/Kg DWB | 20 | 1.2 | 4.3 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 94 | mg/Kg DWB | 1 | 0.17 | 0.34 | 06/19/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.96] | mg/Kg DWB | 10 | 0.34 | 1.2 | 06/19/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.25 | 0.92 | 06/17/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 33000 | mg/Kg DWB | 10 | 51 | 100 | 06/17/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 29 | mg/Kg DWB | 1 | 0.51* | 1.8 | 06/21/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.18* | | 05/11/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 29 | mg/Kg DWB | 1 | 0.51 | 1.8 | 06/17/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 9.6 | mg/Kg DWB | 1 | 0.48 | 1.7 | 06/19/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 18 | mg/Kg DWB | 1 | 0.20 | 0.75 | 06/17/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.35 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 28000 | mg/Kg DWB | 10 | 9.6 | 36 | 06/17/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [15] | mg/Kg DWB | 1 | 5.5 | 20 | 06/17/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 13000 | mg/Kg DWB | 10 | 51 | 100 | 06/17/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 330 | mg/Kg DWB | 1 | 0.11 | 0.34 | 06/19/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.096 | 0.34 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 25 | mg/Kg DWB | 1 | 1.2 | 4.3 | 06/17/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2500 | mg/Kg DWB | 1 | 12 | 45 | 06/16/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.4 | 4.9 | 06/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | [0.82] | mg/Kg DWB | 1 | 0.50 | 1.8 | 06/17/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 140 | mg/Kg DWB | 1 | 1.1 | 4.1 | 06/16/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 82.4 | % | 1 | 0.10* | | 05/03/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.8 | 6.4 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 42 | mg/Kg DWB | 1 | 0.30 | 1.1 | 06/19/05 | SW846 6010 | 721026460 |
| Zinc tot. recoverable as Zn by ICP | 48 | mg/Kg DWB | 1 | 0.23 | 0.68 | 06/17/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/13/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/31/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/11/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 89051**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

***Soil, NS-SOGP145-13-15 NLS ID: 369259***
Ref. Line 5 COC 76421 Soil, NS-SOGP145-13-15 Matrix: SO
Collected: 04/28/05 12:00 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 9800 | mg/Kg DWB | 1 | 7.3 | 27 | 06/17/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 4.1 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.91 | 3.2 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 59 | mg/Kg DWB | 1 | 0.17 | 0.35 | 06/19/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.64 | mg/Kg DWB | 5 | 0.17 | 0.61 | 06/19/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.26 | 0.94 | 06/17/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 16000 | mg/Kg DWB | 10 | 52 | 100 | 06/17/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 21 | mg/Kg DWB | 1 | 0.52* | 1.8 | 06/21/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 05/11/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 21 | mg/Kg DWB | 1 | 0.52 | 1.8 | 06/17/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.8 | mg/Kg DWB | 1 | 0.49 | 1.7 | 06/19/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 13 | mg/Kg DWB | 1 | 0.20 | 0.76 | 06/17/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.13 | 0.39 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 18000 | mg/Kg DWB | 10 | 9.7 | 36 | 06/17/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.6 | 20 | 06/17/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 7600 | mg/Kg DWB | 10 | 52 | 100 | 06/17/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 210 | mg/Kg DWB | 1 | 0.11 | 0.35 | 06/19/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.096 | 0.34 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 17 | mg/Kg DWB | 1 | 1.2 | 4.4 | 06/17/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1200 | mg/Kg DWB | 1 | 12 | 45 | 06/16/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 40 | 2.1 | 7.4 | 06/10/05 | SW846 7740 | 721026460 |
| | Matrix spike and spike duplicate recoveries for this sample where outside of the NLS in-house control limits at 70.4 % and 73.6 % respectively. Problem attributed to sample matrix. | | | | | | | |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.50 | 1.8 | 06/17/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 100 | mg/Kg DWB | 1 | 1.1 | 4.2 | 06/16/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 82.3 | % | 1 | 0.10* | | 05/03/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.8 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 29 | mg/Kg DWB | 1 | 0.30 | 1.1 | 06/19/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 29 | mg/Kg DWB | 1 | 0.23 | 0.69 | 06/17/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/13/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/31/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/11/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 89051
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP146-0-3 NLS ID: 369260**
Ref. Line 6 COC 76421 Soil, NS-SOGP146-0-3 Matrix: SO
Collected: 04/28/05 12:20 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 5600 | mg/Kg DWB | 1 | 7.1 | 26 | 06/17/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.6 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.9] | mg/Kg DWB | 20 | 1.0 | 3.6 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 91 | mg/Kg DWB | 1 | 0.17 | 0.34 | 06/19/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.56] | mg/Kg DWB | 5 | 0.17 | 0.59 | 06/19/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.25 | 0.91 | 06/17/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 8500 | mg/Kg DWB | 10 | 51 | 100 | 06/17/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 13 | mg/Kg DWB | 1 | 0.51* | 1.8 | 06/21/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.26 | mg/Kg DWB | 2 | 0.17* | | 05/11/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 13 | mg/Kg DWB | 1 | 0.51 | 1.8 | 06/17/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 4.6 | mg/Kg DWB | 1 | 0.47 | 1.7 | 06/19/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 40 | mg/Kg DWB | 1 | 0.20 | 0.74 | 06/17/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.37 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 15000 | mg/Kg DWB | 10 | 9.4 | 35 | 06/17/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 58 | mg/Kg DWB | 1 | 5.5 | 20 | 06/17/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 3400 | mg/Kg DWB | 10 | 51 | 100 | 06/17/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 220 | mg/Kg DWB | 1 | 0.11 | 0.34 | 06/19/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | [0.13] | mg/Kg DWB | 1 | 0.092 | 0.33 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 11 | mg/Kg DWB | 1 | 1.2 | 4.3 | 06/17/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 720 | mg/Kg DWB | 1 | 12 | 44 | 06/16/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.1 | 06/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.49 | 1.8 | 06/17/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 98 | mg/Kg DWB | 1 | 1.1 | 4.0 | 06/16/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 85.9 | % | 1 | 0.10* | | 05/03/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.4 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 27 | mg/Kg DWB | 1 | 0.29 | 1.1 | 06/19/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 120 | mg/Kg DWB | 1 | 0.23 | 0.67 | 06/17/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/13/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/31/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/11/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 89051**
**NLS Customer: 91206**

**Fax: 414 831 4101 Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

**Soil, NS-SOGP146-10-12 NLS ID: 369261**
Ref. Line 7 COC 76421 Soil, NS-SOGP146-10-12 Matrix: SO
Collected: 04/28/05 12:40 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 1800 | mg/Kg DWB | 1 | 6.2 | 23 | 06/17/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 0.96 | 3.4 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.76 | 2.7 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 8.3 | mg/Kg DWB | 1 | 0.15 | 0.30 | 06/19/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.17] | mg/Kg DWB | 2 | 0.060 | 0.21 | 06/19/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.22 | 0.80 | 06/17/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 1200 | mg/Kg DWB | 10 | 45 | 89 | 06/17/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 6.2 | mg/Kg DWB | 1 | 0.45* | 1.6 | 06/21/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 05/11/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 6.2 | mg/Kg DWB | 1 | 0.45 | 1.6 | 06/17/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | [1.4] | mg/Kg DWB | 1 | 0.42 | 1.5 | 06/19/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 1.7 | mg/Kg DWB | 1 | 0.18 | 0.65 | 06/17/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.13 | 0.40 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 5500 | mg/Kg DWB | 10 | 8.3 | 31 | 06/17/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 4.8 | 18 | 06/17/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 1200 | mg/Kg DWB | 10 | 45 | 89 | 06/17/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 45 | mg/Kg DWB | 1 | 0.098 | 0.30 | 06/19/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.097 | 0.34 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 3.9 | mg/Kg DWB | 1 | 1.0 | 3.8 | 06/17/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 190 | mg/Kg DWB | 1 | 11 | 39 | 06/16/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.89 | 3.1 | 06/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.43 | 1.5 | 06/17/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 33 | mg/Kg DWB | 1 | 0.98 | 3.6 | 06/16/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 81.3 | % | 1 | 0.10* | | 05/03/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 4.0 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 13 | mg/Kg DWB | 1 | 0.26 | 0.95 | 06/19/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 7.7 | mg/Kg DWB | 1 | 0.20 | 0.60 | 06/17/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/13/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/31/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/11/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 89051
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP144-4-6 NLS ID: 369262**
Ref. Line 8 COC 76421 Soil, NS-SOGP144-4-6 Matrix: SO
Collected: 04/28/05 13:30 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 14000 | mg/Kg DWB | 1 | 7.4 | 27 | 06/17/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.5 | 06/15/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.4] | mg/Kg DWB | 20 | 1.0 | 3.6 | 06/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 95 | mg/Kg DWB | 1 | 0.18 | 0.35 | 06/19/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.95 | mg/Kg DWB | 5 | 0.18 | 0.61 | 06/19/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.26 | 0.95 | 06/17/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 31000 | mg/Kg DWB | 10 | 53 | 110 | 06/17/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 28 | mg/Kg DWB | 1 | 0.53* | 1.9 | 06/21/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.20 | mg/Kg DWB | 2 | 0.17* | | 05/11/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 28 | mg/Kg DWB | 1 | 0.53 | 1.9 | 06/17/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 8.6 | mg/Kg DWB | 1 | 0.49 | 1.7 | 06/19/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 19 | mg/Kg DWB | 1 | 0.21 | 0.77 | 06/17/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.35 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 24000 | mg/Kg DWB | 10 | 9.8 | 36 | 06/17/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [17] | mg/Kg DWB | 1 | 5.7 | 21 | 06/17/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 12000 | mg/Kg DWB | 10 | 53 | 110 | 06/17/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 300 | mg/Kg DWB | 1 | 0.12 | 0.35 | 06/19/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.093 | 0.33 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 21 | mg/Kg DWB | 1 | 1.2 | 4.5 | 06/17/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1900 | mg/Kg DWB | 1 | 13 | 46 | 06/16/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.1 | 06/10/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.51 | 1.8 | 06/17/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 140 | mg/Kg DWB | 1 | 1.2 | 4.2 | 06/16/05 | SW846 6010 | 721026460 |
| Solics, total on solids | 84.7 | % | 1 | 0.10* | | 05/03/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.3 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 35 | mg/Kg DWB | 1 | 0.31 | 1.1 | 06/19/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 44 | mg/Kg DWB | 1 | 0.23 | 0.70 | 06/17/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/13/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 05/31/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/11/05 | SW846 3550B | 721026460 |

**Soil, NS-SQMeOH Blank 10-0405 NLS ID: 369263**
Ref. Line 10 COC 76421 Soil, NS-SQMeOH Blank 10-0405 Matrix: TB
Collected: 04/28/05 00:00 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/12/05 | SW846 8260 | 721026460 |

**Soil, NS-SQMeOH Blank 11-0405 NLS ID: 369264**
Ref. Line 1 COC 76422 Soil, NS-SQMeOH Blank 11-0405 Matrix: TB
Collected: 04/28/05 00:00 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/13/05 | SW846 8260 | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 89051**
**NLS Customer: 91206**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89051**
**Project Description: Xcel RIFS 25688375**
**Project Title:** **Template: 8270SNSP Printed: 06/23/2005 13:48**

**Sample: 369245 Soil, NS-SOGP151-1-3** **Collected: 04/27/05** **Analyzed: 05/19/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 60% | | | | |
| Phenol-d5 (SURR**) | 62% | | | | |
| Nitrobenzene-d5 (SURR**) | 60% | | | | |
| 2-Fluorobiphenyl (SURR**) | 65% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 77% | | | | |
| Terphenyl-d14 (SURR**) | 58% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89051**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 06/23/2005 13:48**

**Sample: 369246** **Soil, NS-SOGP154-2-4** **Collected: 04/27/05** **Analyzed: 05/19/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 62% | | | | |
| Phenol-d5 (SURR**) | 65% | | | | |
| Nitrobenzene-d5 (SURR**) | 65% | | | | |
| 2-Fluorobiphenyl (SURR**) | 72% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 82% | | | | |
| Terphenyl-d14 (SURR**) | 64% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.
Additional non-target compounds present.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89051**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 06/23/2005 13:48**

**Sample: 369247** **Soil, NS-SOGP154-13-15** **Collected: 04/27/05** **Analyzed: 05/19/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 260 | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | 160 | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | 110 | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | [100] | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | [81] | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | [53] | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | [110] | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | 220 | ug/Kg | 1 | 37 | 120 |
| Fluorene | 120 | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | 140 | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | 180 | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | 200 | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | 250 | ug/Kg | 1 | 55 | 190 |
| Naphthalene | 320 | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | 520 | ug/Kg | 1 | 37 | 120 |
| Phenol | 300 | ug/Kg | 1 | 28 | 94 |
| Pyrene | 360 | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | [69] | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 63% | | | | |
| Phenol-d5 (SURR**) | 65% | | | | |
| Nitrobenzene-d5 (SURR**) | 66% | | | | |
| 2-Fluorobiphenyl (SURR**) | 71% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 81% | | | | |
| Terphenyl-d14 (SURR**) | 64% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89051**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 06/23/2005 13:48**

**Sample: 369248** **Soil, NS-SOGP148 1-3** **Collected: 04/27/05** **Analyzed: 05/19/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 64% | | | | |
| Phenol-d5 (SURR**) | 67% | | | | |
| Nitrobenzene-d5 (SURR**) | 64% | | | | |
| 2-Fluorobiphenyl (SURR**) | 70% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 83% | | | | |
| Terphenyl-d14 (SURR**) | 62% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89051**
**Project Description: Xcel RIFS 25688375**
**Project Title:** **Template: 8270SNSP Printed: 06/23/2005 13:48**

**Sample: 369249 Soil, NS-SQDup12-0405** **Collected: 04/27/05** **Analyzed: 05/19/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 68% | | | | |
| Phenol-d5 (SURR**) | 69% | | | | |
| Nitrobenzene-d5 (SURR**) | 66% | | | | |
| 2-Fluorobiphenyl (SURR**) | 71% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 84% | | | | |
| Terphenyl-d14 (SURR**) | 61% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89051**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 06/23/2005 13:48**

**Sample: 369250** **Soil, NS-SOGP149-1-3 MS/MSD** **Collected: 04/28/05** **Analyzed: 05/19/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 65% | | | | |
| Phenol-d5 (SURR**) | 68% | | | | |
| Nitrobenzene-d5 (SURR**) | 66% | | | | |
| 2-Fluorobiphenyl (SURR**) | 71% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 85% | | | | |
| Terphenyl-d14 (SURR**) | 62% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89051**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP Printed: 06/23/2005 13:48**

**Sample: 369251 Soil, NS-SOGP150-0-2** **Collected: 04/28/05** **Analyzed: 05/19/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 67% | | | | |
| Phenol-d5 (SURR**) | 70% | | | | |
| Nitrobenzene-d5 (SURR**) | 67% | | | | |
| 2-Fluorobiphenyl (SURR**) | 72% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 87% | | | | |
| Terphenyl-d14 (SURR**) | 64% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89051**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 06/23/2005 13:48**

**Sample: 369252** **Soil, NS-SOGP150-13-15** **Collected: 04/28/05** **Analyzed: 05/19/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 2200 | ug/Kg | 4 | 130 | 430 |
| Acenaphthylene | [220] | ug/Kg | 4 | 120 | 410 |
| Anthracene | 1100 | ug/Kg | 4 | 150 | 510 |
| Benzo[a]anthracene | 710 | ug/Kg | 4 | 140 | 460 |
| Benzo[a]pyrene | 700 | ug/Kg | 4 | 140 | 450 |
| Benzo[b]fluoranthene | 540 | ug/Kg | 4 | 150 | 500 |
| Benzo[g,h,i]perylene | [310] | ug/Kg | 4 | 130 | 430 |
| Benzo[k]fluoranthene | ND | ug/Kg | 4 | 150 | 510 |
| Chrysene | 690 | ug/Kg | 4 | 140 | 480 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 4 | 140 | 450 |
| Dibenzofuran | ND | ug/Kg | 4 | 130 | 420 |
| Fluoranthene | 1600 | ug/Kg | 4 | 150 | 500 |
| Fluorene | 1000 | ug/Kg | 4 | 130 | 430 |
| Indeno[1,2,3-cd]pyrene | [210] | ug/Kg | 4 | 120 | 420 |
| 1-Methylnaphthalene | 1400 | ug/Kg | 4 | 130 | 420 |
| 2-Methylnaphthalene | 1400 | ug/Kg | 4 | 120 | 410 |
| 2-Methylphenol | ND | ug/Kg | 4 | 100 | 350 |
| 3 & 4-Methylphenol | ND | ug/Kg | 4 | 220 | 770 |
| Naphthalene | 1600 | ug/Kg | 4 | 120 | 410 |
| Phenanthrene | 4100 | ug/Kg | 4 | 150 | 490 |
| Phenol | [180] | ug/Kg | 4 | 110 | 380 |
| Pyrene | 2500 | ug/Kg | 4 | 140 | 470 |
| Benzo[e]pyrene | [430] | ug/Kg | 4 | 150 | 510 |
| 2-Fluorophenol (SURR**) | 60% | | | | |
| Phenol-d5 (SURR**) | 70% | | | | |
| Nitrobenzene-d5 (SURR**) | 69% | | | | |
| 2-Fluorobiphenyl (SURR**) | 83% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 75% | | | | |
| Terphenyl-d14 (SURR**) | 66% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89051**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP Printed: 06/23/2005 13:48**

**Sample: 369253 Soil, NS-SOGP155-1-3** **Collected: 04/28/05** **Analyzed: 05/19/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 67% | | | | |
| Phenol-d5 (SURR**) | 70% | | | | |
| Nitrobenzene-d5 (SURR**) | 67% | | | | |
| 2-Fluorobiphenyl (SURR**) | 72% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 88% | | | | |
| Terphenyl-d14 (SURR**) | 63% | | | | |

Laboratory control spike, laboratory control spike duplicate, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89051**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/23/2005 13:48**

**Sample: 369254** **Soil, NS-SOGP155-5-7** **Collected: 04/28/05** **Analyzed: 05/31/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [440] | ug/Kg | 8 | 260 | 860 |
| Acenaphthylene | 1400 | ug/Kg | 8 | 250 | 820 |
| Anthracene | 1200 | ug/Kg | 8 | 310 | 1000 |
| Benzo[a]anthracene | 3600 | ug/Kg | 8 | 270 | 910 |
| Benzo[a]pyrene | 4800 | ug/Kg | 8 | 270 | 910 |
| Benzo[b]fluoranthene | 4700 | ug/Kg | 8 | 300 | 1000 |
| Benzo[g,h,i]perylene | 2600 | ug/Kg | 8 | 260 | 870 |
| Benzo[k]fluoranthene | 1100 | ug/Kg | 8 | 310 | 1000 |
| Chrysene | 4300 | ug/Kg | 8 | 290 | 950 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 8 | 270 | 910 |
| Dibenzofuran | ND | ug/Kg | 8 | 250 | 840 |
| Fluoranthene | 6500 | ug/Kg | 8 | 300 | 1000 |
| Fluorene | [550] | ug/Kg | 8 | 260 | 870 |
| Indeno[1,2,3-cd]pyrene | 1700 | ug/Kg | 8 | 250 | 830 |
| 1-Methylnaphthalene | ND | ug/Kg | 8 | 250 | 840 |
| 2-Methylnaphthalene | ND | ug/Kg | 8 | 250 | 830 |
| 2-Methylphenol | ND | ug/Kg | 8 | 210 | 700 |
| 3 & 4-Methylphenol | ND | ug/Kg | 8 | 440 | 1500 |
| Naphthalene | ND | ug/Kg | 8 | 250 | 820 |
| Phenanthrene | 2100 | ug/Kg | 8 | 290 | 980 |
| Phenol | ND | ug/Kg | 8 | 230 | 750 |
| Pyrene | 10000 | ug/Kg | 8 | 280 | 950 |
| Benzo[e]pyrene | 3600 | ug/Kg | 8 | 300 | 1000 |
| 2-Fluorophenol (SURR**) | 74% | | | | |
| Phenol-d5 (SURR**) | 81% | | | | |
| Nitrobenzene-d5 (SURR**) | 76% | | | | |
| 2-Fluorobiphenyl (SURR**) | 85% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 86% | | | | |
| Terphenyl-d14 (SURR**) | 80% | | | | |

Laboratory control spike recovery for 1-Methylnaphthalene was below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89051**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP Printed: 06/23/2005 13:48**

**Sample: 369255 Soil, NS-SOGP156-0-2** **Collected: 04/28/05** **Analyzed: 05/31/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 64% | | | | |
| Phenol-d5 (SURR**) | 64% | | | | |
| Nitrobenzene-d5 (SURR**) | 68% | | | | |
| 2-Fluorobiphenyl (SURR**) | 72% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 80% | | | | |
| Terphenyl-d14 (SURR**) | 68% | | | | |

Laboratory control spike recovery for 1-Methylnaphthalene was below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89051**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 06/23/2005 13:48**

**Sample: 369256** **Soil, NS-SOGP156-4-6** **Collected: 04/28/05** **Analyzed: 05/31/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 8000 | ug/Kg | 20 | 650 | 2200 |
| Acenaphthylene | 4500 | ug/Kg | 20 | 610 | 2000 |
| Anthracene | 7100 | ug/Kg | 20 | 770 | 2600 |
| Benzo[a]anthracene | 10000 | ug/Kg | 20 | 680 | 2300 |
| Benzo[a]pyrene | 14000 | ug/Kg | 20 | 680 | 2300 |
| Benzo[b]fluoranthene | 13000 | ug/Kg | 20 | 750 | 2500 |
| Benzo[g,h,i]perylene | 6700 | ug/Kg | 20 | 650 | 2200 |
| Benzo[k]fluoranthene | 3500 | ug/Kg | 20 | 760 | 2500 |
| Chrysene | 12000 | ug/Kg | 20 | 710 | 2400 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 20 | 680 | 2300 |
| Dibenzofuran | ND | ug/Kg | 20 | 630 | 2100 |
| Fluoranthene | 20000 | ug/Kg | 20 | 750 | 2500 |
| Fluorene | 4700 | ug/Kg | 20 | 650 | 2200 |
| Indeno[1,2,3-cd]pyrene | 4400 | ug/Kg | 20 | 620 | 2100 |
| 1-Methylnaphthalene | 4900 | ug/Kg | 20 | 630 | 2100 |
| 2-Methylnaphthalene | 3700 | ug/Kg | 20 | 620 | 2100 |
| 2-Methylphenol | ND | ug/Kg | 20 | 520 | 1700 |
| 3 & 4-Methylphenol | ND | ug/Kg | 20 | 1100 | 3900 |
| Naphthalene | 4600 | ug/Kg | 20 | 610 | 2000 |
| Phenanthrene | 19000 | ug/Kg | 20 | 730 | 2400 |
| Phenol | ND | ug/Kg | 20 | 560 | 1900 |
| Pyrene | 29000 | ug/Kg | 20 | 710 | 2400 |
| Benzo[e]pyrene | 9800 | ug/Kg | 20 | 760 | 2500 |
| 2-Fluorophenol (SURR**) | 72% | | | | |
| Phenol-d5 (SURR**) | 78% | | | | |
| Nitrobenzene-d5 (SURR**) | 70% | | | | |
| 2-Fluorobiphenyl (SURR**) | 73% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 68% | | | | |
| Terphenyl-d14 (SURR**) | 69% | | | | |

Laboratory control spike recovery for 1-Methylnaphthalene was below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89051**
**Project Description: Xcel RIFS 25688375**
**Project Title:** **Template: 8270SNSP Printed: 06/23/2005 13:48**

**Sample: 369257 Soil, NS-SOGP145-2-4** **Collected: 04/28/05** **Analyzed: 05/31/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 64% | | | | |
| Phenol-d5 (SURR**) | 64% | | | | |
| Nitrobenzene-d5 (SURR**) | 67% | | | | |
| 2-Fluorobiphenyl (SURR**) | 70% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 85% | | | | |
| Terphenyl-d14 (SURR**) | 69% | | | | |

Laboratory control spike recovery for 1-Methylnaphthalene was below QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89051**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 06/23/2005 13:48**

**Sample: 369258** **Soil, NS-SQDup13-0405** **Collected: 04/28/05** **Analyzed: 05/31/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 65% | | | | |
| Phenol-d5 (SURR**) | 66% | | | | |
| Nitrobenzene-d5 (SURR**) | 71% | | | | |
| 2-Fluorobiphenyl (SURR**) | 72% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 87% | | | | |
| Terphenyl-d14 (SURR**) | 74% | | | | |

Laboratory control spike recovery for 1-Methylnaphthalene was below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89051**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 06/23/2005 13:48**

**Sample: 369259** **Soil, NS-SOGP:45-13-15** **Collected: 04/28/05** **Analyzed: 05/31/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 1900 | ug/Kg | 5 | 160 | 540 |
| Acenaphthylene | [300] | ug/Kg | 5 | 150 | 510 |
| Anthracene | 2200 | ug/Kg | 5 | 190 | 640 |
| Benzo[a]anthracene | 980 | ug/Kg | 5 | 170 | 570 |
| Benzo[a]pyrene | 730 | ug/Kg | 5 | 170 | 570 |
| Benzo[b]fluoranthene | 700 | ug/Kg | 5 | 190 | 630 |
| Benzo[g,h,i]perylene | [220] | ug/Kg | 5 | 160 | 540 |
| Benzo[k]fluoranthene | ND | ug/Kg | 5 | 190 | 640 |
| Chrysene | 880 | ug/Kg | 5 | 180 | 590 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 5 | 170 | 570 |
| Dibenzofuran | [260] | ug/Kg | 5 | 160 | 530 |
| Fluoranthene | 2200 | ug/Kg | 5 | 190 | 620 |
| Fluorene | 1400 | ug/Kg | 5 | 160 | 540 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 5 | 160 | 520 |
| 1-Methylnaphthalene | 1100 | ug/Kg | 5 | 160 | 530 |
| 2-Methylnaphthalene | 820 | ug/Kg | 5 | 160 | 520 |
| 2-Methylphenol | ND | ug/Kg | 5 | 130 | 430 |
| 3 & 4-Methylphenol | ND | ug/Kg | 5 | 270 | 960 |
| Naphthalene | 1000 | ug/Kg | 5 | 150 | 510 |
| Phenanthrene | 6300 | ug/Kg | 5 | 180 | 610 |
| Phenol | ND | ug/Kg | 5 | 140 | 470 |
| Pyrene | 2800 | ug/Kg | 5 | 180 | 590 |
| Benzo[e]pyrene | [400] | ug/Kg | 5 | 190 | 640 |
| 2-Fluorophenol (SURR**) | 65% | | | | |
| Phenol-d5 (SURR**) | 71% | | | | |
| Nitrobenzene-d5 (SURR**) | 71% | | | | |
| 2-Fluorobiphenyl (SURR**) | 82% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 77% | | | | |
| Terphenyl-d14 (SURR**) | 74% | | | | |

Laboratory control spike recovery for 1-Methylnaphthalene was below QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89051**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 06/23/2005 13:48**

**Sample: 369260** **Soil, NS-SOGP146-0-3** **Collected: 04/28/05** **Analyzed: 05/31/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 2 | 65 | 220 |
| Acenaphthylene | 300 | ug/Kg | 2 | 61 | 200 |
| Anthracene | ND | ug/Kg | 2 | 77 | 260 |
| Benzo[a]anthracene | 290 | ug/Kg | 2 | 68 | 230 |
| Benzo[a]pyrene | 500 | ug/Kg | 2 | 68 | 230 |
| Benzo[b]fluoranthene | 600 | ug/Kg | 2 | 75 | 250 |
| Benzo[g,h,i]perylene | [210] | ug/Kg | 2 | 65 | 220 |
| Benzo[k]fluoranthene | [150] | ug/Kg | 2 | 76 | 250 |
| Chrysene | 360 | ug/Kg | 2 | 71 | 240 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 2 | 68 | 230 |
| Dibenzofuran | ND | ug/Kg | 2 | 63 | 210 |
| Fluoranthene | 310 | ug/Kg | 2 | 75 | 250 |
| Fluorene | ND | ug/Kg | 2 | 65 | 220 |
| Indeno[1,2,3-cd]pyrene | [120] | ug/Kg | 2 | 62 | 210 |
| 1-Methylnaphthalene | ND | ug/Kg | 2 | 63 | 210 |
| 2-Methylnaphthalene | [110] | ug/Kg | 2 | 62 | 210 |
| 2-Methylphenol | ND | ug/Kg | 2 | 52 | 170 |
| 3 & 4-Methylphenol | ND | ug/Kg | 2 | 110 | 390 |
| Naphthalene | [120] | ug/Kg | 2 | 61 | 200 |
| Phenanthrene | 240 | ug/Kg | 2 | 73 | 240 |
| Phenol | ND | ug/Kg | 2 | 56 | 190 |
| Pyrene | 580 | ug/Kg | 2 | 71 | 240 |
| Benzo[e]pyrene | 410 | ug/Kg | 2 | 76 | 250 |
| 2-Fluorophenol (SURR**) | 75% | | | | |
| Phenol-d5 (SURR**) | 80% | | | | |
| Nitrobenzene-d5 (SURR**) | 80% | | | | |
| 2-Fluorobiphenyl (SURR**) | 87% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 95% | | | | |
| Terphenyl-d14 (SURR**) | 85% | | | | |

Laboratory control spike recovery for 1-Methylnaphthalene was below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89051**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP Printed: 06/23/2005 13:48**

**Sample: 369261 Soil, NS-SOGP146-10-12** **Collected: 04/28/05** **Analyzed: 05/31/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [43] | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | [65] | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 68% | | | | |
| Phenol-d5 (SURR**) | 67% | | | | |
| Nitrobenzene-d5 (SURR**) | 69% | | | | |
| 2-Fluorobiphenyl (SURR**) | 75% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 90% | | | | |
| Terphenyl-d14 (SURR**) | 77% | | | | |

Laboratory control spike recovery for 1-Methylnaphthalene was below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89051**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 06/23/2005 13:48**

**Sample: 369262** **Soil, NS-SOGP144-4-6** **Collected: 04/28/05** **Analyzed: 05/31/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | [42] | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 65% | | | | |
| Phenol-d5 (SURR**) | 66% | | | | |
| Nitrobenzene-d5 (SURR**) | 69% | | | | |
| 2-Fluorobiphenyl (SURR**) | 73% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 83% | | | | |
| Terphenyl-d14 (SURR**) | 81% | | | | |

Laboratory control spike recovery for 1-Methylnaphthalene was below QC limits.

** Surrogates are used to evaluate a method's Quality Control.

# ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89051**
**Project Description: Xcel RIFS /25688375**
**Project Title:** **Template: SAT2SNSP** **Printed: 06/23/2005 13:48**

**Sample: 369245** **Soil, NS-SOGP151-1-3** **Collected: 04/27/05** **Analyzed: 05/12/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 3900 | ug/kg | 4 | 42 | 130 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 106% | | | | |
| Toluene-d8 (SURR**) | 120% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 105% | | | | |

**Sample: 369246** **Soil, NS-SOGP154-2-4** **Collected: 04/27/05** **Analyzed: 05/12/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 140 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 101% | | | | |
| Toluene-d8 (SURR**) | 114% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 104% | | | | |

**Sample: 369247** **Soil, NS-SOGP154-13-15** **Collected: 04/27/05** **Analyzed: 05/12/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 4100 | ug/kg | 2.5 | 38 | 130 |
| sec-Butylbenzene | ND | ug/kg | 2.5 | 48 | 160 |
| Ethylbenzene | 640 | ug/kg | 2.5 | 39 | 130 |
| ortho-Xylene | 180 | ug/kg | 2.5 | 32 | 110 |
| Styrene | ND | ug/kg | 2.5 | 43 | 140 |
| Toluene | 1500 | ug/kg | 2.5 | 26 | 84 |
| 1,2,4-Trimethylbenzene | 130 | ug/kg | 2.5 | 37 | 120 |
| 1,3,5-Trimethylbenzene | 220 | ug/kg | 2.5 | 41 | 140 |
| meta,para-Xylene | 390 | ug/kg | 2.5 | 63 | 220 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 2.5 | 47 | 160 |
| Dibromofluoromethane (SURR**) | 95% | | | | |
| Toluene-d8 (SURR**) | 106% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89051**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 06/23/2005 13:48**

**Sample: 369248** **Soil, NS-SOGP148 1-3** **Collected: 04/27/05** **Analyzed: 05/12/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 99% | | | | |
| Toluene-d8 (SURR**) | 108% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

**Sample: 369249** **Soil, NS-SQDup12-0405** **Collected: 04/27/05** **Analyzed: 05/12/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 120 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 104% | | | | |
| Toluene-d8 (SURR**) | 117% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 108% | | | | |

**Sample: 369250** **Soil, NS-SOGP149-1-3 MS/MSD** **Collected: 04/28/05** **Analyzed: 05/12/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 57 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 99% | | | | |
| Toluene-d8 (SURR**) | 110% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 98% | | | | |

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89051**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: SAT2SNSP** **Printed: 06/23/2005 13:48**

**Sample: 369251** **Soil, NS-SOGP150-0-2** **Collected: 04/28/05** **Analyzed: 05/12/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 720 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 101% | | | | |
| Toluene-d8 (SURR**) | 116% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 103% | | | | |

**Sample: 369252** **Soil, NS-SOGP150-13-15** **Collected: 04/28/05** **Analyzed: 05/12/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 2400 | ug/kg | 2 | 30 | 100 |
| sec-Butylbenzene | ND | ug/kg | 2 | 39 | 130 |
| Ethylbenzene | 1000 | ug/kg | 2 | 31 | 100 |
| ortho-Xylene | 300 | ug/kg | 2 | 25 | 85 |
| Styrene | ND | ug/kg | 2 | 35 | 120 |
| Toluene | 780 | ug/kg | 2 | 21 | 67 |
| 1,2,4-Trimethylbenzene | 490 | ug/kg | 2 | 29 | 98 |
| 1,3,5-Trimethylbenzene | 150 | ug/kg | 2 | 33 | 110 |
| meta,para-Xylene | 580 | ug/kg | 2 | 50 | 180 |
| 1,2,3-Trimethylbenzene | 160 | ug/kg | 2 | 38 | 130 |
| Dibromofluoromethane (SURR**) | 110% | | | | |
| Toluene-d8 (SURR**) | 119% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 110% | | | | |

**Sample: 369253** **Soil, NS-SOGP155-1-3** **Collected: 04/28/05** **Analyzed: 05/12/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 114% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 104% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89051**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 06/23/2005 13:48**

**Sample: 369254** **Soil, NS-SOGP155-5-7** **Collected: 04/28/05** **Analyzed: 05/13/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [27] | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 87 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 101% | | | | |
| Toluene-d8 (SURR**) | 113% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 103% | | | | |

**Sample: 369255** **Soil, NS-SOGP156-0-2** **Collected: 04/28/05** **Analyzed: 05/13/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 77 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 105% | | | | |
| Toluene-d8 (SURR**) | 119% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89051**
**Project Description: Xcel RIFS 25688375**
**Project Title:** **Template: SAT2SNSP** **Printed: 06/23/2005 13:48**

**Sample: 369256** **Soil, NS-SOGP156-4-6** **Collected: 04/28/05** **Analyzed: 05/13/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | [24] | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | [19] | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 4600 | ug/kg | 2.5 | 26 | 84 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 104% | | | | |
| Toluene-d8 (SURR**) | 112% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

Toluene was reported beyond calibration range.

**Sample: 369257** **Soil, NS-SOGP145-2-4** **Collected: 04/28/05** **Analyzed: 05/13/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 97% | | | | |
| Toluene-d8 (SURR**) | 106% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 95% | | | | |

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89051**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: SAT2SNSP** **Printed: 06/23/2005 13:48**

**Sample: 369258** **Soil, NS-SQDup13-0405** **Collected: 04/28/05** **Analyzed: 05/13/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 97% | | | | |
| Toluene-d8 (SURR**) | 106% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 96% | | | | |

**Sample: 369259** **Soil, NS-SOGP145-13-15** **Collected: 04/28/05** **Analyzed: 05/13/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [20] | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | 110 | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | [38] | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | 76 | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | [40] | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | [27] | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 96% | | | | |
| Toluene-d8 (SURR**) | 110% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 103% | | | | |

**Sample: 369260** **Soil, NS-SOGP146-0-3** **Collected: 04/28/05** **Analyzed: 05/13/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | [22] | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 200 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | [22] | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | [35] | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 109% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89051**
**Project Description: Xcel RIFS 25688375**
**Project Title:** **Template: SAT2SNSP Printed: 06/23/2005 13:48**

**Sample: 369261 Soil, NS-SOGP1 16-10-12** **Collected: 04/28/05** **Analyzed: 05/13/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [16] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | [44] | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 94% | | | | |
| Toluene-d8 (SURR**) | 110% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

**Sample: 369262 Soil, NS-SOGP1 14-4-6** **Collected: 04/28/05** **Analyzed: 05/13/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [18] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 101% | | | | |
| Toluene-d8 (SURR**) | 113% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 106% | | | | |

**Sample: 369263 Soil, NS-SQMeOH Blank 10-0405** **Collected: 04/28/05** **Analyzed: 05/12/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [11] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 99% | | | | |
| Toluene-d8 (SURR**) | 115% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 104% | | | | |

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89051**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: SAT2SNSP** **Printed: 06/23/2005 13:48**

**Sample: 369264** **Soil, NS-SQMeOH Blank 11-0405** **Collected: 04/28/05** **Analyzed: 05/13/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [11] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 91% | | | | |
| Toluene-d8 (SURR**) | 98% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 93% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

NORTHERN LAKE SERVICE, INC.
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
*Attn: Paul Sklar*
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 89073
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SS23-0-1 NLS ID: 369338**
Ref. Line 1 COC 76424 Soil, NS-SS23-0-1 Matrix: SO
Collected: 04/29/05 08:15 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 14000 | mg/Kg DWB | 1 | 7.6 | 28 | 06/21/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.8 | 06/16/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.4] | mg/Kg DWB | 20 | 1.1 | 3.8 | 06/13/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 94 | mg/Kg DWB | 1 | 0.18 | 0.36 | 06/21/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 2.2 | mg/Kg DWB | 10 | 0.36 | 1.3 | 06/22/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.27 | 0.98 | 06/20/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 10000 | mg/Kg DWB | 10 | 54 | 110 | 06/21/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 27 | mg/Kg DWB | 1 | 0.54* | 1.9 | 06/29/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.24 | mg/Kg DWB | 2 | 0.17* | | 05/16/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 27 | mg/Kg DWB | 1 | 0.54 | 1.9 | 06/20/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 9.6 | mg/Kg DWB | 1 | 0.51 | 1.8 | 06/21/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 27 | mg/Kg DWB | 1 | 0.21 | 0.80 | 06/20/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.12] | mg/Kg DWB | 1 | 0.12 | 0.37 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 24000 | mg/Kg DWB | 10 | 10 | 38 | 06/21/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 45 | mg/Kg DWB | 1 | 5.9 | 21 | 06/21/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 7300 | mg/Kg DWB | 10 | 54 | 110 | 06/21/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 390 | mg/Kg DWB | 1 | 0.12 | 0.36 | 06/21/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.095 | 0.34 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 19 | mg/Kg DWB | 1 | 1.3 | 4.6 | 06/20/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 370 | mg/Kg DWB | 1 | 13 | 47 | 06/20/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.3 | 06/12/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.53 | 1.9 | 06/20/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 390 | mg/Kg DWB | 1 | 1.2 | 4.3 | 06/20/05 | SW846 6010 | 721026460 |
| Solics, total on solids | 83.1 | % | 1 | 0.10* | | 05/03/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.6 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 37 | mg/Kg DWB | 1 | 0.32 | 1.2 | 06/21/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 68 | mg/Kg DWB | 1 | 0.24 | 0.72 | 06/20/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/11/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/01/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/12/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 89073
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP160-3-5 NLS ID: 369339**
Ref. Line 2 COC 76424 Soil, NS-SOGP160-3-5 Matrix: SO
Collected: 04/29/05 08:25 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 12000 | mg/Kg DWB | 1 | 6.5 | 24 | 06/21/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.5 | 06/16/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 1.0 | 3.6 | 06/13/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 78 | mg/Kg DWB | 1 | 0.16 | 0.31 | 06/21/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.75] | mg/Kg DWB | 10 | 0.31 | 1.1 | 06/22/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.23 | 0.84 | 06/20/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 4100 | mg/Kg DWB | 10 | 47 | 93 | 06/21/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 24 | mg/Kg DWB | 1 | 0.47* | 1.7 | 06/29/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.63 | mg/Kg DWB | 2 | 0.17* | | 05/16/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 24 | mg/Kg DWB | 1 | 0.47 | 1.7 | 06/20/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 8.8 | mg/Kg DWB | 1 | 0.44 | 1.5 | 06/21/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 19 | mg/Kg DWB | 1 | 0.18 | 0.69 | 06/20/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.35 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 23000 | mg/Kg DWB | 10 | 8.7 | 32 | 06/21/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [7.6] | mg/Kg DWB | 1 | 5.0 | 18 | 06/21/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 6400 | mg/Kg DWB | 10 | 47 | 93 | 06/21/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 330 | mg/Kg DWB | 1 | 0.10 | 0.31 | 06/21/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.090 | 0.32 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 24 | mg/Kg DWB | 1 | 1.1 | 4.0 | 06/20/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1500 | mg/Kg DWB | 1 | 11 | 41 | 06/20/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.1 | 06/12/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.45 | 1.6 | 06/20/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 150 | mg/Kg DWB | 1 | 1.0 | 3.7 | 06/20/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 87.4 | % | 1 | 0.10* | | 05/03/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.3 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 34 | mg/Kg DWB | 1 | 0.27 | 1.0 | 06/21/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 37 | mg/Kg DWB | 1 | 0.21 | 0.62 | 06/20/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/11/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/01/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/12/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 89073
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP160-8-10 NLS ID: 369340**
Ref. Line 3 COC 76424 Soil, NS-SOGP160-8-10 Matrix: SO
Collected: 04/29/05 08:50 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 1700 | mg/Kg DWB | 1 | 6.9 | 26 | 06/21/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 3.8 | 06/16/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.86 | 3.0 | 06/13/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 14 | mg/Kg DWB | 1 | 0.17 | 0.33 | 06/21/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.099] | mg/Kg DWB | 2 | 0.066 | 0.23 | 06/22/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.24 | 0.89 | 06/20/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 2300 | mg/Kg DWB | 10 | 50 | 99 | 06/21/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 9.3 | mg/Kg DWB | 1 | 0.50* | 1.8 | 06/29/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.16* | | 05/16/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 9.3 | mg/Kg DWB | 1 | 0.50 | 1.8 | 06/20/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 2.0 | mg/Kg DWB | 1 | 0.46 | 1.6 | 06/21/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 5.0 | mg/Kg DWB | 1 | 0.19 | 0.73 | 06/20/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.34 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 6200 | mg/Kg DWB | 10 | 9.2 | 34 | 06/21/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.4 | 19 | 06/21/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 1200 | mg/Kg DWB | 10 | 50 | 99 | 06/21/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 67 | mg/Kg DWB | 1 | 0.11 | 0.33 | 06/21/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.087 | 0.31 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | [3.2] | mg/Kg DWB | 1 | 1.2 | 4.2 | 06/20/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 250 | mg/Kg DWB | 1 | 12 | 43 | 06/20/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.0 | 3.5 | 06/12/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.48 | 1.7 | 06/20/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 74 | mg/Kg DWB | 1 | 1.1 | 4.0 | 06/20/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 91.2 | % | 1 | 0.10* | | 05/03/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.5 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 15 | mg/Kg DWB | 1 | 0.29 | 1.1 | 06/21/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 8.4 | mg/Kg DWB | 1 | 0.22 | 0.66 | 06/20/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/11/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/01/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/12/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 89073**
**NLS Customer: 91206**
**Fax: 414 831 4101 Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

**Soil, NS SS22-0-1 NLS ID: 369341**
Ref. Line 4 COC 76424 Soil, NS SS22-0-1 Matrix: SO
Collected: 04/29/05 10:00 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 10000 | mg/Kg DWB | 1 | 6.8 | 25 | 06/21/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.4 | 06/16/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.9] | mg/Kg DWB | 20 | 0.98 | 3.5 | 06/13/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 180 | mg/Kg DWB | 1 | 0.16 | 0.32 | 06/21/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.75 | mg/Kg DWB | 5 | 0.16 | 0.57 | 06/22/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | [0.59] | mg/Kg DWB | 1 | 0.24 | 0.88 | 06/20/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 8500 | mg/Kg DWB | 10 | 49 | 97 | 06/21/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 22 | mg/Kg DWB | 1 | 0.49* | 1.7 | 06/29/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.18* | | 05/16/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 22 | mg/Kg DWB | 1 | 0.49 | 1.7 | 06/20/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.9 | mg/Kg DWB | 1 | 0.45 | 1.6 | 06/21/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 53 | mg/Kg DWB | 1 | 0.19 | 0.71 | 06/20/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.21] | mg/Kg DWB | 1 | 0.13 | 0.39 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 19000 | mg/Kg DWB | 10 | 9.1 | 34 | 06/21/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 440 | mg/Kg DWB | 1 | 5.3 | 19 | 06/21/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 4800 | mg/Kg DWB | 10 | 49 | 97 | 06/21/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 370 | mg/Kg DWB | 1 | 0.11 | 0.32 | 06/21/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | 0.40 | mg/Kg DWB | 1 | 0.10 | 0.36 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 15 | mg/Kg DWB | 1 | 1.1 | 4.1 | 06/20/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1400 | mg/Kg DWB | 1 | 12 | 42 | 06/20/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.1 | 4.0 | 06/12/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.47 | 1.7 | 06/20/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 210 | mg/Kg DWB | 1 | 1.1 | 3.9 | 06/20/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 77.4 | % | 1 | 0.10* | | 05/03/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.2 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 28 | mg/Kg DWB | 1 | 0.28 | 1.0 | 06/21/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 220 | mg/Kg DWB | 1 | 0.22 | 0.65 | 06/20/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/11/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/01/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/12/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 89073
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP161-3-5 NLS ID: 369342**
Ref. Line 5 COC 76424 Soil, NS-SOGP161-3-5 Matrix: SO
Collected: 04/29/05 10:15 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 15000 | mg/Kg DWB | 1 | 7.5 | 28 | 06/21/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 3.7 | 06/16/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.0] | mg/Kg DWB | 20 | 0.84 | 3.0 | 06/13/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 100 | mg/Kg DWB | 1 | 0.18 | 0.36 | 06/21/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.61] | mg/Kg DWB | 5 | 0.18 | 0.63 | 06/22/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.27 | 0.97 | 06/20/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 51000 | mg/Kg DWB | 10 | 54 | 110 | 06/21/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 28 | mg/Kg DWB | 1 | 0.54* | 1.9 | 06/29/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.23 | mg/Kg DWB | 2 | 0.16* | | 05/16/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 28 | mg/Kg DWB | 1 | 0.54 | 1.9 | 06/20/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 9.9 | mg/Kg DWB | 1 | 0.50 | 1.8 | 06/21/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 20 | mg/Kg DWB | 1 | 0.21 | 0.79 | 06/20/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.13 | 0.38 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 24000 | mg/Kg DWB | 10 | 10 | 37 | 06/21/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [8.7] | mg/Kg DWB | 1 | 5.8 | 21 | 06/21/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 14000 | mg/Kg DWB | 10 | 54 | 110 | 06/21/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 320 | mg/Kg DWB | 1 | 0.12 | 0.36 | 06/21/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.092 | 0.33 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 22 | mg/Kg DWB | 1 | 1.3 | 4.5 | 06/20/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2300 | mg/Kg DWB | 1 | 13 | 47 | 06/20/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.98 | 3.4 | 06/12/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.52 | 1.9 | 06/20/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 230 | mg/Kg DWB | 1 | 1.2 | 4.3 | 06/20/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 85.8 | % | 1 | 0.10* | | 05/03/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.4 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 39 | mg/Kg DWB | 1 | 0.31 | 1.1 | 06/21/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 43 | mg/Kg DWB | 1 | 0.24 | 0.72 | 06/20/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/16/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/01/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/12/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 89073
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SQDup14-0405 NLS ID: 369343**
Ref. Line 6 COC 76424 Soil, NS-SQDup14-0405 Matrix: SO
Collected: 04/29/05 00:00 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 16000 | mg/Kg DWB | 1 | 6.9 | 25 | 06/21/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.7 | 06/16/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 1.0 | 3.7 | 06/13/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 65 | mg/Kg DWB | 1 | 0.16 | 0.33 | 06/21/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | ND | mg/Kg DWB | 10 | 0.33 | 1.1 | 06/22/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.24 | 0.88 | 06/20/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 2400 | mg/Kg DWB | 10 | 49 | 98 | 06/21/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 27 | mg/Kg DWB | 1 | 0.49* | 1.7 | 06/29/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.22 | mg/Kg DWB | 2 | 0.16* | | 05/16/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 28 | mg/Kg DWB | 1 | 0.49 | 1.7 | 06/20/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.5 | mg/Kg DWB | 1 | 0.46 | 1.6 | 06/21/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 12 | mg/Kg DWB | 1 | 0.19 | 0.72 | 06/20/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.10 | 0.31 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 23000 | mg/Kg DWB | 10 | 9.1 | 34 | 06/21/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [12] | mg/Kg DWB | 1 | 5.3 | 19 | 06/21/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 4900 | mg/Kg DWB | 10 | 49 | 98 | 06/21/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 170 | mg/Kg DWB | 1 | 0.11 | 0.33 | 06/21/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.089 | 0.31 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 16 | mg/Kg DWB | 1 | 1.1 | 4.1 | 06/20/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1200 | mg/Kg DWB | 1 | 12 | 43 | 06/20/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.2 | 06/12/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.47 | 1.7 | 06/20/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 91 | mg/Kg DWB | 1 | 1.1 | 3.9 | 06/20/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 88.9 | % | 1 | 0.10* | | 05/03/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.5 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 41 | mg/Kg DWB | 1 | 0.28 | 1.0 | 06/21/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 32 | mg/Kg DWB | 1 | 0.22 | 0.65 | 06/20/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/16/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/01/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/12/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 89073
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP161-8-10 MS/MSD NLS ID: 369344**
Ref. Line 7 COC 76424 Soil, NS-SOGP161-8-10 MS/MSD Matrix: SO
Collected: 04/29/05 10:20 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 12000 | mg/Kg DWB | 1 | 6.8 | 25 | 06/21/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.9 | 06/16/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.1] | mg/Kg DWB | 20 | 1.1 | 3.8 | 06/13/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 78 | mg/Kg DWB | 1 | 0.16 | 0.32 | 06/21/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.71] | mg/Kg DWB | 10 | 0.32 | 1.1 | 06/22/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.24 | 0.87 | 06/20/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 25000 | mg/Kg DWB | 10 | 48 | 97 | 06/21/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 22 | mg/Kg DWB | 1 | 0.48* | 1.7 | 06/29/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 05/16/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 22 | mg/Kg DWB | 1 | 0.48 | 1.7 | 06/20/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.6 | mg/Kg DWB | 1 | 0.45 | 1.6 | 06/21/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 16 | mg/Kg DWB | 1 | 0.19 | 0.71 | 06/20/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.35 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 21000 | mg/Kg DWB | 10 | 9.0 | 34 | 06/21/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [9.8] | mg/Kg DWB | 1 | 5.2 | 19 | 06/21/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 10000 | mg/Kg DWB | 10 | 48 | 97 | 06/21/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 260 | mg/Kg DWB | 1 | 0.11 | 0.32 | 06/21/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.090 | 0.32 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 17 | mg/Kg DWB | 1 | 1.1 | 4.1 | 06/20/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1900 | mg/Kg DWB | 1 | 12 | 42 | 06/20/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.4 | 06/12/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.47 | 1.7 | 06/20/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 160 | mg/Kg DWB | 1 | 1.1 | 3.9 | 06/20/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 87.6 | % | 1 | 0.10* | | 05/03/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.7 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 34 | mg/Kg DWB | 1 | 0.28 | 1.0 | 06/21/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 36 | mg/Kg DWB | 1 | 0.22 | 0.64 | 06/20/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/16/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/01/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/12/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 89073
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP161-12-14 NLS ID: 369345**
Ref. Line 8 COC 76424 Soil, NS-SOGP161-12-14 Matrix: SO
Collected: 04/29/05 10:40 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 6500 | mg/Kg DWB | 1 | 7.5 | 28 | 06/21/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.5 | 06/16/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 1.0 | 3.6 | 06/13/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 43 | mg/Kg DWB | 1 | 0.18 | 0.36 | 06/21/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.49] | mg/Kg DWB | 5 | 0.18 | 0.63 | 06/22/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.27 | 0.97 | 06/20/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 9700 | mg/Kg DWB | 10 | 54 | 110 | 06/21/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 14 | mg/Kg DWB | 1 | 0.54* | 1.9 | 06/29/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.22 | mg/Kg DWB | 2 | 0.17* | | 05/16/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 14 | mg/Kg DWB | 1 | 0.54 | 1.9 | 06/20/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 4.9 | mg/Kg DWB | 1 | 0.50 | 1.8 | 06/21/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 9.2 | mg/Kg DWB | 1 | 0.21 | 0.79 | 06/20/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.10 | 0.31 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 13000 | mg/Kg DWB | 10 | 10 | 37 | 06/21/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.8 | 21 | 06/21/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 5000 | mg/Kg DWB | 10 | 54 | 110 | 06/21/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 150 | mg/Kg DWB | 1 | 0.12 | 0.36 | 06/21/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.090 | 0.32 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 11 | mg/Kg DWB | 1 | 1.3 | 4.6 | 06/20/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 970 | mg/Kg DWB | 1 | 13 | 47 | 06/20/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.1 | 06/12/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.52 | 1.9 | 06/20/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 100 | mg/Kg DWB | 1 | 1.2 | 4.3 | 06/20/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 87.9 | % | 1 | 0.10* | | 05/03/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.3 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 28 | mg/Kg DWB | 1 | 0.31 | 1.1 | 06/21/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 21 | mg/Kg DWB | 1 | 0.24 | 0.72 | 06/20/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/17/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/01/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/12/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 89073
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SS25-0-1 NLS ID: 369346**
Ref. Line 9 COC 76424 Soil, NS-SS25-0-1 Matrix: SO
Collected: 04/29/05 11:10 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 9100 | mg/Kg DWB | 1 | 8.1 | 30 | 06/21/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 3.9 | 06/16/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.4] | mg/Kg DWB | 20 | 0.88 | 3.1 | 06/13/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 73 | mg/Kg DWB | 1 | 0.19 | 0.39 | 06/21/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.93 | mg/Kg DWB | 5 | 0.19 | 0.68 | 06/22/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.29 | 1.0 | 06/20/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 4400 | mg/Kg DWB | 10 | 58 | 120 | 06/21/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 19 | mg/Kg DWB | 1 | 0.58* | 2.1 | 06/29/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.18* | | 05/16/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 19 | mg/Kg DWB | 1 | 0.58 | 2.1 | 06/20/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.8 | mg/Kg DWB | 1 | 0.54 | 1.9 | 06/21/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 17 | mg/Kg DWB | 1 | 0.23 | 0.85 | 06/20/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.16] | mg/Kg DWB | 1 | 0.12 | 0.35 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 17000 | mg/Kg DWB | 10 | 11 | 40 | 06/21/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 85 | mg/Kg DWB | 1 | 6.3 | 23 | 06/21/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 3900 | mg/Kg DWB | 10 | 58 | 120 | 06/21/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 370 | mg/Kg DWB | 1 | 0.13 | 0.39 | 06/21/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.093 | 0.33 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 12 | mg/Kg DWB | 1 | 1.4 | 4.9 | 06/20/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1200 | mg/Kg DWB | 1 | 14 | 51 | 06/20/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.0 | 3.5 | 06/12/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.56 | 2.0 | 06/20/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 70 | mg/Kg DWB | 1 | 1.3 | 4.6 | 06/20/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 85.3 | % | 1 | 0.10* | | 05/03/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.6 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 27 | mg/Kg DWB | 1 | 0.34 | 1.2 | 06/21/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 68 | mg/Kg DWB | 1 | 0.26 | 0.77 | 06/20/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/16/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/01/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/12/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 89073
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP159-3-5 NLS ID: 369347**
Ref. Line 10 COC 76424 Soil, NS-SOGP159-3-5 Matrix: SO
Collected: 04/29/05 11:20 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 14000 | mg/Kg DWB | 1 | 7.9 | 29 | 06/21/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [1.5] | mg/Kg DWB | 20 | 1.2 | 4.1 | 06/16/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.3] | mg/Kg DWB | 20 | 0.92 | 3.3 | 06/13/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 92 | mg/Kg DWB | 1 | 0.19 | 0.38 | 06/21/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 7.5 | mg/Kg DWB | 5 | 0.19 | 0.66 | 06/22/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.28 | 1.0 | 06/20/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 79000 | mg/Kg DWB | 100 | 560 | 1100 | 06/21/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 28 | mg/Kg DWB | 1 | 0.56* | 2.0 | 06/29/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 05/16/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 28 | mg/Kg DWB | 1 | 0.56 | 2.0 | 06/20/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.1 | mg/Kg DWB | 1 | 0.53 | 1.8 | 06/21/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 18 | mg/Kg DWB | 1 | 0.22 | 0.83 | 06/20/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.34 | 05/09/05 | EPA 335.4M | 721026460 |
| | LCS for this distillation batch was outside of control limits at 89%. Recovery limits are 90 - 110%. All other QC associated with this analytical batch were in control. | | | | | | | |
| Iron, tot. recoverable as Fe by ICP | 20000 | mg/Kg DWB | 10 | 11 | 39 | 06/21/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 6.1 | 22 | 06/21/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 14000 | mg/Kg DWB | 10 | 56 | 110 | 06/21/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 230 | mg/Kg DWB | 1 | 0.12 | 0.38 | 06/21/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.093 | 0.33 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 17 | mg/Kg DWB | 1 | 1.3 | 4.8 | 06/20/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1900 | mg/Kg DWB | 1 | 14 | 49 | 06/20/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.1 | 3.7 | 06/12/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.54 | 2.0 | 06/20/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 170 | mg/Kg DWB | 1 | 1.2 | 4.5 | 06/20/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 85.2 | % | 1 | 0.10* | | 05/03/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.9 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 32 | mg/Kg DWB | 1 | 0.33 | 1.2 | 06/21/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 34 | mg/Kg DWB | 1 | 0.25 | 0.75 | 06/20/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/16/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/01/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/12/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 89073
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP159-8-10 NLS ID: 369348**
Ref. Line 1 COC 76423 Soil, NS-SOGP159 8-10 Matrix: SO
Collected: 04/29/05 11:30 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 13000 | mg/Kg DWB | 1 | 6.8 | 25 | 06/21/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 3.8 | 06/16/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.1] | mg/Kg DWB | 20 | 0.85 | 3.0 | 06/13/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 100 | mg/Kg DWB | 1 | 0.16 | 0.32 | 06/21/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.95 | mg/Kg DWB | 5 | 0.16 | 0.56 | 06/22/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.24 | 0.87 | 06/20/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 27000 | mg/Kg DWB | 10 | 48 | 97 | 06/21/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 24 | mg/Kg DWB | 1 | 0.48* | 1.7 | 06/29/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 05/16/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 24 | mg/Kg DWB | 1 | 0.48 | 1.7 | 06/20/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 8.4 | mg/Kg DWB | 1 | 0.45 | 1.6 | 06/21/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 17 | mg/Kg DWB | 1 | 0.19 | 0.71 | 06/20/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.32 | 05/05/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 22000 | mg/Kg DWB | 10 | 9.0 | 34 | 06/21/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [10] | mg/Kg DWB | 1 | 5.2 | 19 | 06/21/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 11000 | mg/Kg DWB | 10 | 48 | 97 | 06/21/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 280 | mg/Kg DWB | 1 | 0.11 | 0.32 | 06/21/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.092 | 0.33 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 18 | mg/Kg DWB | 1 | 1.1 | 4.1 | 06/20/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2200 | mg/Kg DWB | 1 | 12 | 42 | 06/20/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.99 | 3.4 | 06/12/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.47 | 1.7 | 06/20/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 180 | mg/Kg DWB | 1 | 1.1 | 3.9 | 06/20/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 85.5 | % | 1 | 0.10* | | 05/03/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.5 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 37 | mg/Kg DWB | 1 | 0.28 | 1.0 | 06/21/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 39 | mg/Kg DWB | 1 | 0.22 | 0.64 | 06/20/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/16/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/01/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/12/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 89073
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOGP159-12-14 NLS ID: 369349**
Ref. Line 2 COC 76423 Soil, NS-SOGP159-12-14 Matrix: SO
Collected: 04/29/05 11:50 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 7000 | mg/Kg DWB | 1 | 5.9 | 22 | 06/21/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.0 | 3.5 | 06/16/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.79 | 2.8 | 06/13/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 54 | mg/Kg DWB | 1 | 0.14 | 0.28 | 06/21/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.48] | mg/Kg DWB | 5 | 0.14 | 0.49 | 06/22/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.21 | 0.76 | 06/20/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 16000 | mg/Kg DWB | 10 | 42 | 84 | 06/21/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 14 | mg/Kg DWB | 1 | 0.42* | 1.5 | 06/29/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.21 | mg/Kg DWB | 2 | 0.16* | | 05/16/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 14 | mg/Kg DWB | 1 | 0.42 | 1.5 | 06/20/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 5.3 | mg/Kg DWB | 1 | 0.39 | 1.4 | 06/21/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 10 | mg/Kg DWB | 1 | 0.16 | 0.62 | 06/20/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.098 | 0.29 | 05/05/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 15000 | mg/Kg DWB | 10 | 7.8 | 29 | 06/21/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [7.1] | mg/Kg DWB | 1 | 4.5 | 16 | 06/21/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 6500 | mg/Kg DWB | 10 | 42 | 84 | 06/21/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 210 | mg/Kg DWB | 1 | 0.092 | 0.28 | 06/21/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.085 | 0.30 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 11 | mg/Kg DWB | 1 | 0.98 | 3.6 | 06/20/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1100 | mg/Kg DWB | 1 | 10 | 37 | 06/20/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.93 | 3.2 | 06/12/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.41 | 1.5 | 06/20/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 120 | mg/Kg DWB | 1 | 0.92 | 3.4 | 06/20/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 92.8 | % | 1 | 0.10* | | 05/03/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.2 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 26 | mg/Kg DWB | 1 | 0.24 | 0.89 | 06/21/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 24 | mg/Kg DWB | 1 | 0.19 | 0.56 | 06/20/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/17/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/01/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/12/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 89073
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SS24-0-1 NLS ID: 369350**
Ref. Line 3 COC 76423 Soil, NS-SS24-0-1 Matrix: SO
Collected: 04/29/05 12:00 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 11000 | mg/Kg DWB | 1 | 7.3 | 27 | 06/21/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.0 | 3.6 | 06/16/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.8] | mg/Kg DWB | 20 | 0.80 | 2.8 | 06/13/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 78 | mg/Kg DWB | 1 | 0.17 | 0.35 | 06/21/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.68 | mg/Kg DWB | 5 | 0.17 | 0.61 | 06/22/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.26 | 0.94 | 06/20/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 4000 | mg/Kg DWB | 10 | 52 | 100 | 06/21/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 21 | mg/Kg DWB | 1 | 0.52* | 1.8 | 06/29/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.24 | mg/Kg DWB | 2 | 0.15* | | 05/16/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 22 | mg/Kg DWB | 1 | 0.52 | 1.8 | 06/20/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.9 | mg/Kg DWB | 1 | 0.49 | 1.7 | 06/21/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 19 | mg/Kg DWB | 1 | 0.21 | 0.77 | 06/20/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.33 | 05/05/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 17000 | mg/Kg DWB | 10 | 9.7 | 36 | 06/21/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 100 | mg/Kg DWB | 1 | 5.6 | 21 | 06/21/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 3900 | mg/Kg DWB | 10 | 52 | 100 | 06/21/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 250 | mg/Kg DWB | 1 | 0.11 | 0.35 | 06/21/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.084 | 0.30 | 05/18/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 14 | mg/Kg DWB | 1 | 1.2 | 4.4 | 06/20/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1600 | mg/Kg DWB | 1 | 13 | 46 | 06/20/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 0.94 | 3.2 | 06/12/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.50 | 1.8 | 06/20/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 92 | mg/Kg DWB | 1 | 1.1 | 4.2 | 06/20/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 94.5 | % | 1 | 0.10* | | 05/03/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.2 | 06/15/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 28 | mg/Kg DWB | 1 | 0.30 | 1.1 | 06/21/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 82 | mg/Kg DWB | 1 | 0.23 | 0.70 | 06/20/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 05/03/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 05/06/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/16/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/01/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 05/12/05 | SW846 3550B | 721026460 |

**Soil, NS SQMeOH Blank 12-04-05 NLS ID: 369351**
Ref. Line 5 COC 76423 Soil, NS SQMeOH Blank 12-04-05 Matrix: TB
Collected: 04/29/05 00:00 Received: 04/29/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (solid) by EPA 8260 | see attached | | | | | 05/16/05 | SW846 8260 | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 89073**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89073**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/29/2005 10:30**

**Sample: 369338** **Soil, NS-SS23-0-1** **Collected: 04/29/05** **Analyzed: 06/01/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 2 | 65 | 220 |
| Acenaphthylene | ND | ug/Kg | 2 | 61 | 200 |
| Anthracene | ND | ug/Kg | 2 | 77 | 260 |
| Benzo[a]anthracene | [100] | ug/Kg | 2 | 68 | 230 |
| Benzo[a]pyrene | [120] | ug/Kg | 2 | 68 | 230 |
| Benzo[b]fluoranthene | [160] | ug/Kg | 2 | 75 | 250 |
| Benzo[g,h,i]perylene | [85] | ug/Kg | 2 | 65 | 220 |
| Benzo[k]fluoranthene | ND | ug/Kg | 2 | 76 | 250 |
| Chrysene | [130] | ug/Kg | 2 | 71 | 240 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 2 | 68 | 230 |
| Dibenzofuran | ND | ug/Kg | 2 | 63 | 210 |
| Fluoranthene | [190] | ug/Kg | 2 | 75 | 250 |
| Fluorene | ND | ug/Kg | 2 | 65 | 220 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 2 | 62 | 210 |
| 1-Methylnaphthalene | ND | ug/Kg | 2 | 63 | 210 |
| 2-Methylnaphthalene | ND | ug/Kg | 2 | 62 | 210 |
| 2-Methylphenol | ND | ug/Kg | 2 | 52 | 170 |
| 3 & 4-Methylphenol | ND | ug/Kg | 2 | 110 | 390 |
| Naphthalene | ND | ug/Kg | 2 | 61 | 200 |
| Phenanthrene | [100] | ug/Kg | 2 | 73 | 240 |
| Phenol | ND | ug/Kg | 2 | 56 | 190 |
| Pyrene | [190] | ug/Kg | 2 | 71 | 240 |
| Benzo[e]pyrene | [110] | ug/Kg | 2 | 76 | 250 |
| 2-Fluorophenol (SURR**) | 54% | | | | |
| Phenol-d5 (SURR**) | 63% | | | | |
| Nitrobenzene-d5 (SURR**) | 68% | | | | |
| 2-Fluorobiphenyl (SURR**) | 78% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 77% | | | | |
| Terphenyl-d14 (SURR**) | 75% | | | | |

Diluted due to sample matrix in order to prevent further instrument contamination.

Reanalysis at a lower dilution is not possible due to sample matrix.

Laboratory control spike, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89073**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 06/29/2005 10:30**

**Sample: 369339** **Soil, NS-SOGP160-3-5** **Collected: 04/29/05** **Analyzed: 06/01/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 64% | | | | |
| Phenol-d5 (SURR**) | 64% | | | | |
| Nitrobenzene-d5 (SURR**) | 67% | | | | |
| 2-Fluorobiphenyl (SURR**) | 69% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 84% | | | | |
| Terphenyl-d14 (SURR**) | 74% | | | | |

Laboratory control spike, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89073**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/29/2005 10:30**

**Sample: 369340** **Soil, NS-SOGP160-8-10** **Collected: 04/29/05** **Analyzed: 06/01/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 63% | | | | |
| Phenol-d5 (SURR**) | 63% | | | | |
| Nitrobenzene-d5 (SURR**) | 65% | | | | |
| 2-Fluorobiphenyl (SURR**) | 71% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 86% | | | | |
| Terphenyl-d14 (SURR**) | 71% | | | | |

Laboratory control spike, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89073**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 06/29/2005 10:30**

**Sample: 369341** **Soil, NS SS22-0-1** **Collected: 04/29/05** **Analyzed: 06/01/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 2 | 65 | 220 |
| Acenaphthylene | ND | ug/Kg | 2 | 61 | 200 |
| Anthracene | ND | ug/Kg | 2 | 77 | 260 |
| Benzo[a]anthracene | [160] | ug/Kg | 2 | 68 | 230 |
| Benzo[a]pyrene | [160] | ug/Kg | 2 | 68 | 230 |
| Benzo[b]fluoranthene | [230] | ug/Kg | 2 | 75 | 250 |
| Benzo[g,h,i]perylene | [90] | ug/Kg | 2 | 65 | 220 |
| Benzo[k]fluoranthene | ND | ug/Kg | 2 | 76 | 250 |
| Chrysene | [210] | ug/Kg | 2 | 71 | 240 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 2 | 68 | 230 |
| Dibenzofuran | ND | ug/Kg | 2 | 63 | 210 |
| Fluoranthene | 310 | ug/Kg | 2 | 75 | 250 |
| Fluorene | ND | ug/Kg | 2 | 65 | 220 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 2 | 62 | 210 |
| 1-Methylnaphthalene | [89] | ug/Kg | 2 | 63 | 210 |
| 2-Methylnaphthalene | [110] | ug/Kg | 2 | 62 | 210 |
| 2-Methylphenol | ND | ug/Kg | 2 | 52 | 170 |
| 3 & 4-Methylphenol | ND | ug/Kg | 2 | 110 | 390 |
| Naphthalene | ND | ug/Kg | 2 | 61 | 200 |
| Phenanthrene | [220] | ug/Kg | 2 | 73 | 240 |
| Phenol | ND | ug/Kg | 2 | 56 | 190 |
| Pyrene | 310 | ug/Kg | 2 | 71 | 240 |
| Benzo[e]pyrene | [160] | ug/Kg | 2 | 76 | 250 |
| 2-Fluorophenol (SURR**) | 55% | | | | |
| Phenol-d5 (SURR**) | 64% | | | | |
| Nitrobenzene-d5 (SURR**) | 70% | | | | |
| 2-Fluorobiphenyl (SURR**) | 79% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 80% | | | | |
| Terphenyl-d14 (SURR**) | 77% | | | | |

Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.
Laboratory control spike, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89073**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP Printed: 06/29/2005 10:30**

**Sample: 369342 Soil, NS-SOGP161-3-5** **Collected: 04/29/05** **Analyzed: 06/01/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 63% | | | | |
| Phenol-d5 (SURR**) | 62% | | | | |
| Nitrobenzene-d5 (SURR**) | 65% | | | | |
| 2-Fluorobiphenyl (SURR**) | 68% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 87% | | | | |
| Terphenyl-d14 (SURR**) | 73% | | | | |

Laboratory control spike, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89073**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 06/29/2005 10:30**

**Sample: 369343** **Soil, NS-SQDup14-0405** **Collected: 04/29/05** **Analyzed: 06/01/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 57% | | | | |
| Phenol-d5 (SURR**) | 61% | | | | |
| Nitrobenzene-d5 (SURR**) | 66% | | | | |
| 2-Fluorobiphenyl (SURR**) | 70% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 77% | | | | |
| Terphenyl-d14 (SURR**) | 71% | | | | |

Laboratory control spike, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89073**
***Project Description: Xcel RIFS/25688375***
**Project Title:** **Template: 8270SNSP** **Printed: 06/29/2005 10:30**

**Sample: 369344** **Soil, NS-SOGP161-8-10 MS/MSD** **Collected: 04/29/05** **Analyzed: 06/01/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 64% | | | | |
| Phenol-d5 (SURR**) | 63% | | | | |
| Nitrobenzene-d5 (SURR**) | 64% | | | | |
| 2-Fluorobiphenyl (SURR**) | 70% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 85% | | | | |
| Terphenyl-d14 (SURR**) | 72% | | | | |

Laboratory control spike, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89073**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 06/29/2005 10:30**

**Sample: 369345** **Soil, NS-SOGP161-12-14** **Collected: 04/29/05** **Analyzed: 06/01/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| *Dibenzo[a,h]anthracene* | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 65% | | | | |
| Phenol-d5 (SURR**) | 64% | | | | |
| Nitrobenzene-d5 (SURR**) | 67% | | | | |
| 2-Fluorobiphenyl (SURR**) | 72% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 91% | | | | |
| Terphenyl-d14 (SURR**) | 76% | | | | |

Laboratory control spike, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89073**
**Project Description: Xcel RIFS/25688375**
**Project Title:** ***Template: 8270SNSP Printed: 06/29/2005 10:30***

**Sample: 369346 Soil, NS-SS25-C-1** **Collected: 04/29/05** **Analyzed: 06/01/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 2 | 65 | 220 |
| Acenaphthylene | ND | ug/Kg | 2 | 61 | 200 |
| Anthracene | ND | ug/Kg | 2 | 77 | 260 |
| Benzo[a]anthracene | [82] | ug/Kg | 2 | 68 | 230 |
| Benzo[a]pyrene | [85] | ug/Kg | 2 | 68 | 230 |
| Benzo[b]fluoranthene | [120] | ug/Kg | 2 | 75 | 250 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 2 | 65 | 220 |
| Benzo[k]fluoranthene | ND | ug/Kg | 2 | 76 | 250 |
| Chrysene | [110] | ug/Kg | 2 | 71 | 240 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 2 | 68 | 230 |
| Dibenzofuran | ND | ug/Kg | 2 | 63 | 210 |
| Fluoranthene | [150] | ug/Kg | 2 | 75 | 250 |
| Fluorene | ND | ug/Kg | 2 | 65 | 220 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 2 | 62 | 210 |
| 1-Methylnaphthalene | ND | ug/Kg | 2 | 63 | 210 |
| 2-Methylnaphthalene | ND | ug/Kg | 2 | 62 | 210 |
| 2-Methylphenol | ND | ug/Kg | 2 | 52 | 170 |
| 3 & 4-Methylphenol | ND | ug/Kg | 2 | 110 | 390 |
| Naphthalene | ND | ug/Kg | 2 | 61 | 200 |
| Phenanthrene | [110] | ug/Kg | 2 | 73 | 240 |
| Phenol | ND | ug/Kg | 2 | 56 | 190 |
| Pyrene | [160] | ug/Kg | 2 | 71 | 240 |
| Benzo[e]pyrene | ND | ug/Kg | 2 | 76 | 250 |
| 2-Fluorophenol (SURR**) | 63% | | | | |
| Phenol-d5 (SURR**) | 70% | | | | |
| Nitrobenzene-d5 (SURR**) | 72% | | | | |
| 2-Fluorobiphenyl (SURR**) | 82% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 91% | | | | |
| Terphenyl-d14 (SURR**) | 78% | | | | |

Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.
Laboratory control spike, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89073**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/29/2005 10:30**

**Sample: 369347** **Soil, NS-SOGP159-3-5** **Collected: 04/29/05** **Analyzed: 06/01/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 64% | | | | |
| Phenol-d5 (SURR**) | 63% | | | | |
| Nitrobenzene-d5 (SURR**) | 64% | | | | |
| 2-Fluorobiphenyl (SURR**) | 67% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 89% | | | | |
| Terphenyl-d14 (SURR**) | 74% | | | | |

Laboratory control spike, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89073**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP Printed: 06/29/2005 10:30**

**Sample: 369348 Soil, NS-SOGP159-8-10** **Collected: 04/29/05** **Analyzed: 06/01/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 62% | | | | |
| Phenol-d5 (SURR**) | 62% | | | | |
| Nitrobenzene-d5 (SURR**) | 62% | | | | |
| 2-Fluorobiphenyl (SURR**) | 64% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 90% | | | | |
| Terphenyl-d14 (SURR**) | 74% | | | | |

Laboratory control spike, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89073**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 06/29/2005 10:30**

**Sample: 369349** **Soil, NS-SOGP159-12-14** **Collected: 04/29/05** **Analyzed: 06/01/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 66% | | | | |
| Phenol-d5 (SURR**) | 65% | | | | |
| Nitrobenzene-d5 (SURR**) | 66% | | | | |
| 2-Fluorobiphenyl (SURR**) | 73% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 90% | | | | |
| Terphenyl-d14 (SURR**) | 76% | | | | |

Laboratory control spike, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89073**

**Project Description: Xcel RIFS 25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 06/29/2005 10:30**

**Sample: 369350** **Soil, NS-SS24-0-1** **Collected: 04/29/05** **Analyzed: 06/01/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | 160 | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | 170 | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | 240 | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | [84] | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | [70] | ug/Kg | 1 | 38 | 130 |
| Chrysene | 210 | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | 340 | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | [50] | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | [51] | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | [66] | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | [50] | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | [51] | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | 200 | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | 390 | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | 150 | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 63% | | | | |
| Phenol-d5 (SURR**) | 65% | | | | |
| Nitrobenzene-d5 (SURR**) | 71% | | | | |
| 2-Fluorobiphenyl (SURR**) | 75% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 83% | | | | |
| Terphenyl-d14 (SURR**) | 77% | | | | |

Laboratory control spike, matrix spike, and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

** *Surrogates are used to evaluate a method's Quality Control.*

# ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89073**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: SAT2SNSP** **Printed: 06/29/2005 10:30**

**Sample: 369338** **Soil, NS-SS23-0-1** **Collected: 04/29/05** **Analyzed: 05/11/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [20] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 99% | | | | |
| Toluene-d8 (SURR**) | 114% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

**Sample: 369339** **Soil, NS-SOGP160-3-5** **Collected: 04/29/05** **Analyzed: 05/11/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 104% | | | | |
| Toluene-d8 (SURR**) | 119% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 105% | | | | |

**Sample: 369340** **Soil, NS-SOGP160-8-10** **Collected: 04/29/05** **Analyzed: 05/11/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 55 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 104% | | | | |
| Toluene-d8 (SURR**) | 116% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 108% | | | | |

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89073**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: SAT2SNSP** **Printed: 06/29/2005 10:30**

**Sample: 369341** **Soil, NS SS22-0-1** **Collected: 04/29/05** **Analyzed: 05/11/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | [18] | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 880 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 95% | | | | |
| Toluene-d8 (SURR**) | 105% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 97% | | | | |

**Sample: 369342** **Soil, NS-SOGP161-3-5** **Collected: 04/29/05** **Analyzed: 05/16/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 96% | | | | |
| Toluene-d8 (SURR**) | 115% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 98% | | | | |

**Sample: 369343** **Soil, NS-SQDup14-0405** **Collected: 04/29/05** **Analyzed: 05/16/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 97% | | | | |
| Toluene-d8 (SURR**) | 112% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89073**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: SAT2SNSP** **Printed: 06/29/2005 10:30**

**Sample: 369344** **Soil, NS-SOGP161-8-10 MS/MSD** **Collected: 04/29/05** **Analyzed: 05/16/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 98% | | | | |
| Toluene-d8 (SURR**) | 116% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

**Sample: 369345** **Soil, NS-SOGP161-12-14** **Collected: 04/29/05** **Analyzed: 05/16/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 4000 | ug/kg | 2.5 | 26 | 84 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 96% | | | | |
| Toluene-d8 (SURR**) | 108% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 97% | | | | |

**Sample: 369346** **Soil, NS-SS25-0-1** **Collected: 04/29/05** **Analyzed: 05/16/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | [24] | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 2100 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | [34] | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 95% | | | | |
| Toluene-d8 (SURR**) | 116% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 105% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89073**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 06/29/2005 10:30**

**Sample: 369347** **Soil, NS-SOGP159-3-5** **Collected: 04/29/05** **Analyzed: 05/16/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 117% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

**Sample: 369348** **Soil, NS-SOGP159-8-10** **Collected: 04/29/05** **Analyzed: 05/16/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 102% | | | | |
| Toluene-d8 (SURR**) | 112% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 104% | | | | |

**Sample: 369349** **Soil, NS-SOGP159-12-14** **Collected: 04/29/05** **Analyzed: 05/16/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 9300 | ug/kg | 8 | 84 | 270 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 96% | | | | |
| Toluene-d8 (SURR**) | 107% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 89073**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: SAT2SNSP** **Printed: 06/29/2005 10:30**

**Sample: 369350** **Soil, NS-SS24-0-1** **Collected: 04/29/05** **Analyzed: 05/16/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | [26] | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 49 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | [20] | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | [34] | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 97% | | | | |
| Toluene-d8 (SURR**) | 109% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

**Sample: 369351** **Soil, NS SQMeOH Blank 12-04-05** **Collected: 04/29/05** **Analyzed: 05/16/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [19] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 101% | | | | |
| Toluene-d8 (SURR**) | 115% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

**NORTHERN LAKE SERVICE, INC.**
*Analytical Laboratory and Environmental Services*
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060

*Wisconsin Lab Cert. No. 721026460*
*WI DATCP 105-000330*

| | |
|---|---|
| CLIENT: URS | |
| ADDRESS: 1200 Innovation Dr Ste 500 | |
| CITY: Milwaukee | STATE: WI / ZIP: 53226 |
| PROJECT DESCRIPTION/ NO.: Xcel RIFS/05658375 | QUOTATION NO.: |
| DNR FID #: | DNR LICENSE #: |
| CONTACT: Paul Sklar | PHONE: 414 831 4100 |
| PURCHASE ORDER NO.: | FAX: 414-831-4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered. Indicate G or C if WW Sample is Grab or Composite.

NO. 76404

| ITEM NO. | NLS LAB. NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | ANALYZE PER ORDER OF ANALYSIS | VOC | SVOC | Cyanide | Metals | Hexachrome | Percent Solids | | | | | | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | G | G | G | G | G | G | | | | | | |
| 1. | | NS-SOGP106-3-4 | 4/14/05 | 0830 | Soil | | X | X | X | X | X | X | | | | | | |
| 2. | | NS-SOGP106-10-12 | | 0900 | | | X | X | X | X | X | X | | | | | | |
| 3. | | NS-SOGP106-14-16 | | 0850 | | | X | X | X | X | X | X | | | | | | |
| 4. | | NS-SOGP109-2-4 | | 0925 | | | X | X | X | X | X | X | | | | | | |
| 5. | | NS-SOGP109-6-8 | | 1000 | | | X | X | X | X | X | X | | | | | | |
| 6. | | ~~[illegible]~~ DZ 4-4-05 | | | | | | | | | | | | | | | | |
| 7. | | NS-SOGP112-1-3 | | 1100 | | | X | X | X | X | X | X | | | | | | |
| 8. | | NS-SOGP112-3-4 | | 1140 | | | X | X | X | X | X | X | | | | | | |
| 9. | | NS-SOGP104-2-4 | | 1210 | | | X | X | X | X | X | X | | | | | | |
| 10. | | NS-SOGP104-4-6 | | 1320 | | | X | X | X | X | X | X | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature): [signature] | CUSTODY SEAL NO. (IF ANY) | DATE/TIME |
| RELINQUISHED BY (signature): [signature] | RECEIVED BY (signature) | DATE/TIME: 4/14/05 1500 |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT: UPS | DATE/TIME |

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature) | DATE/TIME | CONDITION | TEMP |
| COOLER # | REMARKS & OTHER INFORMATION | | |
| | WDNR FACILITY NUMBER | E-MAIL ADDRESS | |

REPORT TO: Paul Sklar

INVOICE TO: Paul Sklar

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

**IMPORTANT:**
1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD


**NORTHERN LAKE SERVICE, INC.**

*Analytical Laboratory and Environmental Services*

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

*Wisconsin Lab Cert. No. 721026460*

*WI DATCP 105-000330*


NO. 76405

| | |
|---|---|
| CLIENT | URS |
| ADDRESS | 10200 Innovation Dr. Ste 500 |
| CITY / STATE / ZIP | Milwaukee WI 53226 |
| PROJECT DESCRIPTION / NO. | Year RIFS / 25658375 |
| QUOTATION NO. | |
| DNR FID # | |
| DNR LICENSE # | |
| CONTACT | Paul Sklar |
| PHONE | 414-831-4100 |
| PURCHASE ORDER NO. | |
| FAX | 414-831-4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

| ITEM NO. | NLS LAB. NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | ANALYZE PER ORDER OF ANALYSIS: VOC | SVOC | Cyanide | Metals | Hexachlorobenzene | Percent Solids | | | | | | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | G | G | G | G | G | G |
| 1. | | NS-SOGP104-10-12 | 4/19/05 | 1305 | Soil | | X | X | X | X | X | X | | | | | |
| 2. | | ~~NS-SOGPTB~~ DZ 4/19-05 | | | | | | | | | | | | | | | |
| 3. | | NS-SQEpt Blank-0405 | | 1345 | Rinsate | | X | X | X | X | X | | | | | | Hexachlorobenzene is NOT field filtered |
| 4. | | NS-SQMeOH Blk-0405 | | | MeOH | | X | | | | | | | | | | |
| 5. | | | | | | | | | | | | | | | | | |
| 6. | | | | | | | | | | | | | | | | | |
| 7. | | | | | | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | |

ONE SAMPLE BLANK PER DAY

| | | |
|---|---|---|
| COLLECTED BY (signature) | CUSTODY SEAL NO. (IF ANY) | DATE/TIME |
| RELINQUISHED BY (signature) | RECEIVED BY (signature) | DATE/TIME 4/19/05 1500 |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT: UPS | DATE/TIME |

REPORT TO: Paul Sklar

INVOICE TO: Paul Sklar

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature) | DATE/TIME | CONDITION | TEMP. |
| COOLER # | REMARKS & OTHER INFORMATION | | |
| WDNR FACILITY NUMBER | E-MAIL ADDRESS | | |

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT:
1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD


**NORTHERN LAKE SERVICE, INC.**

*Analytical Laboratory and Environmental Services*

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

*Wisconsin Lab Cert. No. 721026460*

*WI DATCP 105-000330*


NO. 76406

| | |
|---|---|
| CLIENT | URS |
| ADDRESS | 10200 Innovation Dr. Ste 500 |
| CITY | Milwaukee STATE WI ZIP 53226 |
| PROJECT DESCRIPTION / NO. | Xcel RIFS / 25688375 QUOTATION NO. |
| DNR FID # | DNR LICENSE # |
| CONTACT | Paul Sklar PHONE 414-831-4100 |
| PURCHASE ORDER NO. | FAX 414-831-4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

ANALYZE PER ORDER OF ANALYSIS

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

| ITEM NO. | NLS LAB. NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | | VOC | SVOC | Cyanide | Metals | Hexavalent Chromium | Percent Solids | | | | | | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | G | G | G | G | G | G | | | | | | |
| 1. | | NS-SOGP101-2-4 | 4-19-05 | 1525 | Soil | | X | X | X | X | X | X | | | | | | |
| 2. | | NS-SQDup01-0405 | ↓ | | | | X | X | X | X | X | X | | | | | | |
| 3. | | NS-SOGP101-6-8 | | 1615 | | | X | X | X | X | X | V | | | | | | |
| 4. | | NS-SOGP101-10-12 | ↓ | 1600 | | | X | X | X | X | X | X | | | | | | |
| 5. | | NS-SOGP107-1-3 | 4-20-05 | 0730 | | | X | X | X | X | X | X | | | | | | MS/MSD |
| 6. | | NS-SOGP107-6-8 | ↓ | 0800 | | | X | X | X | X | X | X | | | | | | |
| 7. | | NS-SOGP107-10-12 | | 0810 | | | X | X | X | X | X | X | | | | | | |
| 8. | | NS-SOGP110-1-3 | | 0830 | | | X | X | X | X | X | X | | | | | | |
| 9. | | NS-SOGP10-8-10 | | 0915 | | | X | X | X | X | X | X | | | | | | |
| 10. | | NS-SOGP10-12-14 | ↓ | 0925 | | | X | X | X | X | X | X | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature) | CUSTODY SEAL NO. (IF ANY) | DATE/TIME |
| RELINQUISHED BY (signature) | RECEIVED BY (signature) | DATE/TIME 4-20-05 1445 |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT UPS | DATE/TIME |

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature) | DATE/TIME | CONDITION | TEMP |
| COOLER # | REMARKS & OTHER INFORMATION | | |
| WDNR FACILITY NUMBER | E-MAIL ADDRESS | | |

REPORT TO: Paul Sklar

INVOICE TO: Paul Sklar

PRESERVATIVE: N = nitric acid; OH = sodium hydroxide; NP = no preservative; Z = zinc acetate; HA = hydrochloric & ascorbic acid; S = sulfuric acid; M = methanol; H = hydrochloric acid

**IMPORTANT:**

1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD


**NORTHERN LAKE SERVICE, INC.**

*Analytical Laboratory and Environmental Services*

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

*Wisconsin Lab Cert. No. 721026460*

*WI DATCP 105-000330*


NO. 76407

| | |
|---|---|
| CLIENT | URS |
| ADDRESS | 10200 Innovation Dr. Ste 500 |
| CITY / STATE / ZIP | Milwaukee / WI / 53226 |
| PROJECT DESCRIPTION / NO. | Xcel RIFS / 25655375 |
| QUOTATION NO. | |
| DNR FID # | |
| DNR LICENSE # | |
| CONTACT | Paul Sklar |
| PHONE | 414-831-4100 |
| PURCHASE ORDER NO. | |
| FAX | 414-831-4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

ANALYZE PER ORDER OF ANALYSIS

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

| ITEM NO. | NLS LAB. NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | VOC | SVOC | Cyanide | Metals | Hexavalent Chrome | Percent Solids | | | | | | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | G | G | G | G | G | G | | | | | | |
| 1. | | NS-SQDup02-0405 | 4/20/05 | | Soil | X | X | X | X | X | X | | | | | | |
| 2. | | NS-SOGP113-1-3 | | 0945 | | X | X | X | X | X | X | | | | | | |
| 3. | | NS-SOGP113-8-10 | | 1040 | | X | X | X | X | X | X | | | | | | |
| 4. | | NS-SOGP113-12-14 | | 1050 | | X | X | X | X | X | X | | | | | | |
| 5. | | NS-SOGP116-2-4 | | 1100 | | X | X | X | X | X | X | | | | | | |
| 6. | | NS-SOGP116-8-10 | | 1140 | | X | X | X | X | X | X | | | | | | |
| 7. | | NS-SOGP116-14-16 | | 1150 | | X | X | X | X | X | X | | | | | | |
| 8. | | NS-SOGP108-1-3 | | 1210 | | X | X | X | X | X | X | | | | | | |
| 9. | | NS-SOGP108-8-10 | | 1230 | | X | X | X | X | X | X | | | | | | |
| 10. | | NS-SOGP108-13-15 | ↓ | 1300 | ↓ | X | X | X | X | X | X | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature) | CUSTODY SEAL NO. (IF ANY) | DATE/TIME |
| RELINQUISHED BY (signature) | RECEIVED BY (signature) | DATE/TIME 4-20-05 1445 |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT: UPS | DATE/TIME |

REPORT TO: Paul Sklar

INVOICE TO: Paul Sklar

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature) | | DATE/TIME | CONDITION / TEMP |
| COOLER # | | REMARKS & OTHER INFORMATION | |
| WDNR FACILITY NUMBER | E-MAIL ADDRESS | | |

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

**IMPORTANT:**

1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
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# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

Wisconsin Lab Cert. No. 721026460
WI DATCP 105-000330

**NORTHERN LAKE SERVICE, INC.**
Analytical Laboratory and Environmental Services
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060

NO. 76408

| | |
|---|---|
| CLIENT | URS |
| ADDRESS | 10200 Innovation Dr. Ste 500 |
| CITY | Milwaukee |
| STATE | WI |
| ZIP | 53226 |
| PROJECT DESCRIPTION / NO. | Xcel RIFS / 25068375 |
| QUOTATION NO. | |
| DNR FID # | |
| DNR LICENSE # | |
| CONTACT | Paul Sklar |
| PHONE | 414-831-4100 |
| PURCHASE ORDER NO. | |
| FAX | 414-831-4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered. Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS

| ITEM NO. | NLS LAB. NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | VOC | SVOC | Cyanide | Metals | Hexachrome | Percent Solids | | | | | | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | G | G | G | G | G | G | | | | | | |
| 1. | | NS-SOGP111-2-4 | 4/20/05 | 1315 | Soil | X | X | X | X | X | X | | | | | | |
| 2. | | NS-SOGP 11-8-10 | ↓ | 1420 | ↓ | X | X | X | X | X | X | | | | | | |
| 3. | | NS-SOGP111-13-15 | ↓ | 1410 | ↓ | X | X | X | X | X | X | | | | | | |
| 4. | | NS-SQE[illegible] Blank2-0405 | ↓ | | Rinsate | X | X | X | X | X | | | | | | | Hexachrome is NOT field filtered |
| 5. | | NS-SQ[illegible] Blank2-0405 | ↓ | | | X | | | | | | | | | | | |
| 6. | | | | | | | | | | | | | | | | | |
| 7. | | | | | | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | |

ONE SAMPLE PER LINE

| | | |
|---|---|---|
| COLLECTED BY (signature) [signature] | CUSTODY SEAL NO. (IF ANY) | DATE/TIME |
| RELINQUISHED BY (signature) [signature] | RECEIVED BY (signature) | DATE/TIME 4-20-05 1445 |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT UPS | DATE/TIME |

REPORT TO Paul Sklar

INVOICE TO Paul Sklar

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature) | DATE/TIME | CONDITION | TEMP. |
| COOLER # | REMARKS & OTHER INFORMATION | | |
| | WDNR FACILITY NUMBER | E-MAIL ADDRESS | |

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
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HA = hydrochloric & ascorbic acid
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# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD


**NORTHERN LAKE SERVICE, INC.**

*Analytical Laboratory and Environmental Services*

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

*Wisconsin Lab Cert. No. 721026460*

*WI DATCP 105-000330*


NO. 76409

| | |
|---|---|
| CLIENT | URS Corp |
| ADDRESS | 10200 Innovation Dr Ste 500 |
| CITY / STATE / ZIP | Milwaukee / WI / 53226 |
| PROJECT DESCRIPTION / NO. | Xcel RIFS / 25688375 |
| QUOTATION NO. | |
| DNR FID # | |
| DNR LICENSE # | |
| CONTACT | Paul Sklar |
| PHONE | 414-831-4100 |
| PURCHASE ORDER NO. | |
| FAX | 414-831-4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

| ITEM NO. | NLS LAB. NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | ANALYZE PER ORDER OF ANALYSIS: VOC | SVOC | Cyanide, Metals | Hex Chrome | Percent Solids | | | | | | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | G | G | G | G | G | C | | | | | |
| 1. | | NS-SOGP114-1-3 | 4/20/05 | 1500 | Soil | X | X | X | X | X | X | | | | | MS/MSD |
| 2. | | NS-SOGP114-4-6 | | 1520 | | X | X | X | X | X | X | | | | | |
| 3. | | NS-SOGP114-12-14 | | 1530 | | X | X | X | X | X | X | | | | | |
| 4. | | NS-SOGP117-2-4 | | 1545 | | X | X | X | X | X | X | | | | | |
| 5. | | NS-SOGP117-6-8 | | 1630 | | X | X | X | X | X | X | | | | | |
| 6. | | NS-SOGP117-14-16 | | 1620 | | X | X | X | X | X | X | | | | | |
| 7. | | NS-SOGP105-2-4 | | 1700 | | X | X | X | X | X | X | | | | | |
| 8. | | NS-SQDup03-0405 | | | | X | X | X | X | X | X | | | | | |
| 9. | | NS-SOGP115-1-3 | 4/21/05 | 0740 | | X | X | X | X | X | X | | | | | |
| 10. | | NS-SOGP115-4-6 | | 0820 | | X | X | X | X | X | X | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature) | CUSTODY SEAL NO. (IF ANY) | DATE/TIME |
| RELINQUISHED BY (signature) | RECEIVED BY (signature) | DATE/TIME 4-21-05 1500 |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT: UPS | DATE/TIME |

REPORT TO: Paul Sklar

INVOICE TO: Paul Sklar

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature) | | DATE/TIME | CONDITION / TEMP |
| COOLER # | REMARKS & OTHER INFORMATION | | |
| | WDNR FACILITY NUMBER | E-MAIL ADDRESS | |

PRESERVATIVE: N = nitric acid; OH = sodium hydroxide; NP = no preservative; Z = zinc acetate; HA = hydrochloric & ascorbic acid; S = sulfuric acid; M = methanol; H = hydrochloric acid

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# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD


**NORTHERN LAKE SERVICE, INC.**

*Analytical Laboratory and Environmental Services*

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

*Wisconsin Lab Cert. No. 721026460*

*WI DATCP 105-000330*


NO. 76410

| | |
|---|---|
| CLIENT | UPS |
| ADDRESS | [illegible] |
| CITY / STATE / ZIP | [illegible] / WI / 53726 |
| PROJECT DESCRIPTION / NO. | [illegible] / QUOTATION NO. |
| DNR FID # | DNR LICENSE # |
| CONTACT | [illegible] |
| PHONE | [illegible] |
| PURCHASE ORDER NO. | FAX |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

ANALYZE PER ORDER OF ANALYSIS

USE BOXES BELOW. Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

| ITEM NO. | NLS LAB. NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | VOC | SVOC | Cyanide | Acrolein | Hg Chloride | Phenol Solids | | | | | | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | G | G | C | G | G | G | | | | | | |
| 1. | | NS-SQDup04-0405 | 4/21/05 | | Soil | X | X | X | X | X | X | | | | | | |
| 2. | | NS-SOGP15-14-16 | " | 0830 | " | X | X | X | X | X | X | | | | | | |
| 3. | | NS-SOGP120-0-2 | | 0950 | | X | X | X | X | X | X | | | | | | |
| 4. | | NS-SOGP120-4-6 | | 1010 | | X | X | X | X | X | X | | | | | | MS/MSD |
| 5. | | NS-SOGP120-10-12 | | 1020 | | X | X | X | X | X | X | | | | | | |
| 6. | | NS-SOGP123-1-3 | | 1035 | | X | X | X | X | X | X | | | | | | |
| 7. | | NS-SOGP123-6-8 | | 1100 | | X | X | X | X | X | X | | | | | | |
| 8. | | NS-SOGP123-10-12 | | 1110 | | X | X | X | X | X | X | | | | | | |
| 9. | | NS-SQDup05 0405 | | | | X | X | X | X | X | X | | | | | | |
| 10. | | NS-SOGP128-1-3 | ↓ | 1120 | ↓ | X | X | X | X | X | X | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature) | CUSTODY SEAL NO. (IF ANY) | DATE/TIME |
| RELINQUISHED BY (signature) | RECEIVED BY (signature) | DATE/TIME 4-21-05 1520 |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT UPS | DATE/TIME |

REPORT TO: [illegible]

INVOICE TO: [illegible]

| | | | | |
|---|---|---|---|---|
| RECEIVED AT NLS BY (signature) | | | DATE/TIME | CONDITION / TEMP. |
| COOLER # | | | REMARKS & OTHER INFORMATION | |
| PRESERVATIVE: | N = nitric acid | OH = sodium hydroxide | WDNR FACILITY NUMBER | E-MAIL ADDRESS |
| N? = no preservative | Z = zinc acetate | HA = hydrochloric & ascorbic acid | | |
| S = sulfuric acid | M = methanol | H = hydrochloric acid | | |

**IMPORTANT:**

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# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

*Wisconsin Lab Cert. No. 721026460*
*WI DATCP 105-000330*


**NORTHERN LAKE SERVICE, INC.**
*Analytical Laboratory and Environmental Services*
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060


NO. 76411

| | |
|---|---|
| CLIENT | URS |
| ADDRESS | 10200 Innovation Dr Ste 500 |
| CITY | Milwaukee |
| STATE | WI |
| ZIP | 53226 |
| PROJECT DESCRIPTION / NO. | Xcel RIFS / 25688275 |
| QUOTATION NO. | |
| DNR FID # | |
| DNR LICENSE # | |
| CONTACT | Paul Sklar |
| PHONE | 414-831-4100 |
| PURCHASE ORDER NO. | |
| FAX | 414 831-4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered. Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS

| ITEM NO. | NLS LAB. NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | | VOC (G) | SVOC (G) | Cyanide (G) | Metals (G) | Hex Chrome (G) | Percent Solids (G) | | | | | | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | | NS-SOGP128-4-6 | 4/21/05 | 1140 | Soil | | X | X | X | X | X | X | | | | | | |
| 2. | | NS-SOGP128-10-12 | | 1150 | | | X | X | X | X | X | X | | | | | | |
| 3. | | NS-SOGP131-0-2 | | 1200 | | | X | X | X | X | X | X | | | | | | |
| 4. | | NS-SOGP131-6-8 | | 1230 | | | X | X | X | X | X | X | | | | | | |
| 5. | | NS-SOGP131-10-12 | | 1220 | | | X | X | X | X | X | X | | | | | | |
| 6. | | NS-SOGP134-1-3 | | 1315 | | | X | X | X | X | X | X | | | | | | |
| 7. | | NS-SOGP134-10-12 | | 1400 | | | X | X | X | X | X | X | | | | | | |
| 8. | | NS-SOGP134-14-16 | | 1340 | | | X | X | X | X | X | X | | | | | | |
| 9. | | NS-SQ Capt Blank 3-0405 | | 1300 | Rinsate | | X | X | X | X | X | | | | | | | [illegible] |
| 10. | | NS-SQ MeOH Blank 3-0405 | | | MeOH | | X | | | | | | | | | | | |
| | | NS-SQ MeOH Blank 4-0405 | | | MeOH | | X | | | | | | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature) [signature] | CUSTODY SEAL NO. (IF ANY) | DATE/TIME |
| RELINQUISHED BY (signature) [signature] | RECEIVED BY (signature) | DATE/TIME 4-21 05 1500 |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT UPS | DATE/TIME |

REPORT TO: Paul Sklar

INVOICE TO: Paul Sklar

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature) | DATE/TIME | CONDITION | TEMP. |
| COOLER # | REMARKS & OTHER INFORMATION | | |
| | WDNR FACILITY NUMBER | E-MAIL ADDRESS | |

PRESERVATIVE:
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S = sulfuric acid
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# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD


**NORTHERN LAKE SERVICE, INC.**

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400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

*Wisconsin Lab Cert. No. 721026460*

*WI DATCP 105-000330*


NO. 76412

| | |
|---|---|
| CLIENT | URS |
| ADDRESS | 10200 Innovation Dr. Ste 500 |
| CITY / STATE / ZIP | Milwaukee / WI / 53226 |
| PROJECT DESCRIPTION / NO. | xcel RIFS / 25688.75 |
| QUOTATION NO. | |
| DNR FID # | |
| DNR LICENSE # | |
| CONTACT | Paul Skla. |
| PHONE | 414-531-4150 |
| PURCHASE ORDER NO. | |
| FAX | 414-831-4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
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SOIL = soil
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| ITEM NO. | NLS LAB. NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | ANALYZE PER ORDER OF ANALYSIS: VOC | SVOC | Cyanide | Metals | Hexachrom | Percent Solids | | | | | | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | G | G | G | G | G | G | | | | | | |
| 1. | | NS-SOGP137-0-2 | 4/21/05 | 1410 | Soil | X | X | X | X | X | X | | | | | | |
| 2. | | NS-SOGP137-14-16 | | 1530 | | X | X | X | X | X | X | | | | | | |
| 3. | | NS-SOGP138-1-3 | | 1600 | | X | X | X | X | X | X | | | | | | |
| 4. | | NS-SOGP138-4-6 | | 1610 | | X | X | X | X | X | X | | | | | | |
| 5. | | NS-SOGP138-10-12 | | 1620 | | X | X | X | X | X | X | | | | | | |
| 6. | | NS-SOGDup06-0405 | ↓ | | | X | X | X | X | X | X | | | | | | |
| 7. | | NS-SOGP139-0-2 | 4/22/05 | 0800 | | X | X | X | X | X | X | | | | | | |
| 8. | | NS-SOGP139-10-12 | | 0815 | | X | X | X | X | X | X | | | | | | |
| 9. | | NS-SOGP140-1-3 | | 0835 | | X | X | X | X | X | X | | | | | | |
| 10. | | NS-SOGP140-10-12 | ↓ | 0850 | ↓ | X | X | X | X | X | X | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature) | CUSTODY SEAL NO. (IF ANY) | DATE/TIME |
| RELINQUISHED BY (signature) | RECEIVED BY (signature) | DATE/TIME 4/22/05 1430 |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT: URS / NLS Staff | DATE/TIME |

REPORT TO: Paul Skla.

INVOICE TO: Paul Skla.

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature) | | DATE/TIME | CONDITION / TEMP |
| COOLER # | | REMARKS & OTHER INFORMATION | |
| WDNR FACILITY NUMBER | E-MAIL ADDRESS | | |

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3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

**NORTHERN LAKE SERVICE, INC.**
*Analytical Laboratory and Environmental Services*
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060

*Wisconsin Lab Cert. No. 721026460*
*WI DATCP 105-000330*

NO. 76413

| | |
|---|---|
| CLIENT: URS | |
| ADDRESS: 18200 Innovation Dr. Ste 500 | |
| CITY: Milwaukee STATE: WI | ZIP: 53226 |
| PROJECT DESCRIPTION / NO.: Xcel RIFS / 25658375 | QUOTATION NO. |
| DNR FID # | DNR LICENSE # |
| CONTACT: Paul Sklar | PHONE: 414-831-4100 |
| PURCHASE ORDER NO. | FAX: 414-831-4131 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered. Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS

| ITEM NO. | NLS LAB. NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | VOC (G) | SVOC (G) | Cyanide (G) | Metals (G) | Hexachrome (G) | Percent Solids (G) | | | | | | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | | NS-SQDup07-0405 | 4/22/05 | | Soil | X | X | X | X | X | X | | | | | | |
| 2. | | NS-SOGP141-0-2 | ↓ | 0920 | ↓ | X | X | X | X | X | X | | | | | | |
| 3. | | NS-SOGP141-12-14 | ↓ | 0930 | ↓ | X | X | X | X | X | X | | | | | | |
| 4. | | NS-SQEqptBlank4-0405 | ↓ | 1000 | Rinsate | X | X | X | X | X | | | | | | | Hexachrome is NOT Field Filtered. |
| 5. | | NS-SOGP142-0-2 | ↓ | 1030 | Soil | X | X | X | X | X | X | | | | | | |
| 6. | | NS-SOGP142-12-14 | ↓ | 1100 | ↓ | X | X | X | X | X | X | | | | | | |
| 7. | | NS-SOGP143-0-2 | ↓ | 1130 | ↓ | X | X | X | X | X | X | | | | | | |
| 8. | | NS-SOGP143-6-8 | ↓ | 1200 | ↓ | X | X | X | X | X | X | | | | | | |
| 9. | | NS-SQMeOHBlank5-0405 | ↓ | | MeOH | X | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature): [signature] | CUSTODY SEAL NO. (IF ANY) | DATE/TIME |
| RELINQUISHED BY (signature): [signature] | RECEIVED BY (signature): [signature] | DATE/TIME: 4-22-05 / 1430 |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT: URS / NLS Staff | DATE/TIME |

REPORT TO: Paul Sklar

INVOICE TO: Paul Sklar

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature) | DATE/TIME | CONDITION | TEMP |
| COOLER # | REMARKS & OTHER INFORMATION | | |
| | WDNR FACILITY NUMBER | E-MAIL ADDRESS | |

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT:
1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
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3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
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# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

*Wisconsin Lab Cert. No. 721026460*
*WI DATCP 105-000330*

**NORTHERN LAKE SERVICE, INC.**
*Analytical Laboratory and Environmental Services*
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060

NO. 76414

| | |
|---|---|
| CLIENT | URS |
| ADDRESS | 10200 Innovation Dr. Ste 500 |
| CITY | Milwaukee |
| STATE | WI |
| ZIP | 53226 |
| PROJECT DESCRIPTION / NO. | Xcel RIFS / 25688375 |
| QUOTATION NO. | |
| DNR FID # | |
| DNR LICENSE # | |
| CONTACT | Paul Sklar |
| PHONE | 414-831-4100 |
| PURCHASE ORDER NO. | |
| FAX | 414-831-4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered. Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS

| ITEM NO. | NLS LAB. NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | VOC | SVOC | Cyanide | Metals | Hexachrome | Percent Solids | | | | | | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | G | G | G | G | G | G | | | | | | |
| 1. | | NS-SOGP121-1-3 | 4/25/05 | 1115 | Soil | X | X | X | X | X | X | | | | | | MS/MSD |
| 2. | | NS-SOGP121-4-6 | | 1140 | | X | X | X | X | X | X | | | | | | |
| 3. | | NS-SOGP121-6-8 | | 1130 | | X | X | X | X | X | X | | | | | | |
| 4. | | NS-SOGP122-1-3 | | 1240 | | X | X | X | X | X | X | | | | | | |
| 5. | | NS-SOGP122-6-8 | | 1300 | | X | X | X | X | X | X | | | | | | [illegible] on SVOC jars |
| 6. | | NS-SQDup108-0405 | | | | X | X | X | X | X | X | | | | | | |
| 7. | | NS-SQEqpt Blank 5-0405 | | 1300 | Rinsate | X | X | X | X | X | | | | | | | Hexachrome is not field filtered |
| 8. | | NS-SOGP118-1-3 | | 1335 | Soil | X | X | X | X | X | X | | | | | | |
| 9. | | NS-SOGP118-6-8 | | 1420 | | X | X | X | X | X | X | | | | | | |
| 10. | | NS-SOGP118-9-11 | | 1400 | | X | X | X | X | X | X | | | | | | |
| | | NS-SQMeOH Blank 6-0405 | 4/25/05 | | MeOH | X | | | | | | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature) [signature] | CUSTODY SEAL NO. (IF ANY) | DATE/TIME |
| RELINQUISHED BY (signature) [signature] | RECEIVED BY (signature) | DATE/TIME 4/25/05 @ 1450 |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT UPS | DATE/TIME |

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature) | DATE/TIME | CONDITION | TEMP. |
| COOLER # | REMARKS & OTHER INFORMATION | | |
| | WDNR FACILITY NUMBER | E-MAIL ADDRESS | |

REPORT TO: Paul Sklar

INVOICE TO: Paul Sklar

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

**IMPORTANT:**
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2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD


**NORTHERN LAKE SERVICE, INC.**

*Analytical Laboratory and Environmental Services*

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

*Wisconsin Lab Cert. No. 721026460*

*WI DATCP 105-000330*


NO. 76415

| | |
|---|---|
| CLIENT | NLS |
| ADDRESS | 10200 Innovation Dr. Ste 500 |
| CITY / STATE / ZIP | Milwaukee / WI / 53226 |
| PROJECT DESCRIPTION / NO. | SCI RIFS / 25688375 |
| QUOTATION NO. | |
| DNR FID # | |
| DNR LICENSE # | |
| CONTACT | Paul Sklar |
| PHONE | 414-831-4100 |
| PURCHASE ORDER NO. | |
| FAX | 414-831-4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

| ITEM NO. | NLS LAB. NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | ANALYZE PER ORDER OF ANALYSIS: VOC | SVOC | Cyanide | Metals | Hexavalent Chromium | Percent Solids | | | | | | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | G | G | G | G | G | G |
| 1. | | NS-SOGP119-1-3 | 4/25/05 | 1520 | Soil | X | X | X | X | X | X | | | | | | |
| 2. | | NS-SOGP119-4-6 | | 1530 | | X | X | X | X | X | X | | | | | | |
| 3. | | NS-SOGP124-1-3 | | 1540 | | X | X | X | X | X | X | | | | | | |
| 4. | | NS-SOGP124-6-8 | | 1630 | | X | X | X | X | X | X | | | | | | |
| 5. | | NS-SOGP126-1-3 | | 1640 | | X | X | X | X | X | X | | | | | | |
| 6. | | NS-SOGP126-6-8 | | 1800 | | X | X | X | X | X | X | | | | | | |
| 7. | | NS-SQDup04-1405 | 4/25/05 | | | X | X | X | X | X | X | | | | | | |
| 8. | | NS-SOGP125-1-3 | 4/26/05 | 0740 | | X | X | X | X | X | X | | | | | | |
| 9. | | NS-SOGP125-9-11 | | 0900 | | X | X | X | X | X | X | | | | | | |
| 10. | | NS-SOGP125-12-14 | | 0910 | | X | X | X | X | X | X | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature) | CUSTODY SEAL NO. (IF ANY) | DATE/TIME |
| RELINQUISHED BY (signature) | RECEIVED BY (signature) | DATE/TIME |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT: UPS | DATE/TIME |

REPORT TO: Paul Sklar

INVOICE TO: Paul Sklar

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature) | DATE/TIME | CONDITION | TEMP |
| COOLER # | REMARKS & OTHER INFORMATION | | |
| | WDNR FACILITY NUMBER | E-MAIL ADDRESS | |

PRESERVATIVE:
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S = sulfuric acid
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M = methanol
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HA = hydrochloric & ascorbic acid
H = hydrochloric acid

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# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

Wisconsin Lab Cert. No. 721026460
WI DATCP 105-000330

**NORTHERN LAKE SERVICE, INC.**
Analytical Laboratory and Environmental Services
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060

NO. 76416

| | |
|---|---|
| CLIENT: URS | |
| ADDRESS: 10200 Innovation Dr Ste 500 | |
| CITY: Milwaukee | STATE: WI / ZIP: 53226 |
| PROJECT DESCRIPTION / NO.: Xcel Rips / 25688375 | QUOTATION NO. |
| DNR FID # | DNR LICENSE # |
| CONTACT: Paul Sklar | PHONE: 414-531-4100 |
| PURCHASE ORDER NO. | FAX: 414-531-4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered. Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS

| ITEM NO. | NLS LAB. NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | VOC (G) | SVOC (G) | Cyanide (G) | Metals (G) | Hexavalent Chromium (G) | Percent Solids (G) | | | | | | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | | NS-SOGP127-1-3 | 4/26/05 | 0940 | Soil | X | X | X | X | X | X | | | | | | |
| 2. | | NS-SOGP127-17-18 | | 1000 | | X | X | X | X | X | X | | | | | | Low volume for SVOC jars |
| 3. | | NS-SOGP130-1-3 | | 1025 | | X | X | X | X | X | X | | | | | | |
| 4. | | NS-SOGP130-4-6 | | 1100 | | X | X | X | X | X | X | | | | | | |
| 5. | | NS-SOGP129-1-3 | | 1200 | | X | X | X | X | X | X | | | | | | |
| 6. | | NS-SOGP129-5-7 | | 1250 | | X | X | X | X | X | X | | | | | | |
| 7. | | NS-SQDup10-0405 | | | | X | X | X | X | X | X | | | | | | |
| 8. | | NS-SQEqpt Blank6-0405 | | 1300 | Rinsate | X | X | X | X | X | | | | | | | Hex. Chrome is NOT Field Filtered |
| 9. | | NS-SOGP132-1-3 | | 1315 | Soil | X | X | X | X | X | X | | | | | | |
| 10. | | NS-SOGP132-4-6 | | 1345 | Soil | X | X | X | X | X | X | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature): [signature] | CUSTODY SEAL NO. (IF ANY) | DATE/TIME |
| RELINQUISHED BY (signature): [signature] | RECEIVED BY (signature) | DATE/TIME: 4/26/05 @ 1500 |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT: UPS | DATE/TIME |

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature) | DATE/TIME | CONDITION | TEMP |
| COOLER # | REMARKS & OTHER INFORMATION | | |
| | WDNR FACILITY NUMBER | E-MAIL ADDRESS | |

REPORT TO: Paul Sklar

INVOICE TO: Paul Sklar

PRESERVATIVE:
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S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT:
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4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

**NORTHERN LAKE SERVICE, INC.**
*Analytical Laboratory and Environmental Services*
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060

*Wisconsin Lab Cert. No. 721026460*
*WI DATCP 105-000330*

NO. 76417

| | |
|---|---|
| CLIENT: URS | |
| ADDRESS: 1-200 Innovation Dr Ste 500 | |
| CITY: Milwaukee | STATE: WI / ZIP: 53226 |
| PROJECT DESCRIPTION / NO.: Xcel MFS / 25658375 | QUOTATION NO.: |
| DNR FID #: | DNR LICENSE #: |
| CONTACT: Paul Sklar | PHONE: 414-831-4100 |
| PURCHASE ORDER NO.: | FAX: 414-831-4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered. Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS

| ITEM NO. | NLS LAB. NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | | VOC (G) | SVOC (G) | Cyanide (G) | Metals (G) | Hexachrome (G) | Percent Solids (G) | | | | | | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | | NS-SOGP135-1-3 | 4/26/05 | 1415 | Soil | | X | X | X | X | X | X | | | | | | MS/MSD |
| 2. | | NS-SQMeOH Blank 7-1405 | ↓ | | MeOH | | X | | | | | | | | | | | |
| 3. | | NS-SQMeOH Blank 8-1405 | ↓ | | MeOH | | X | | | | | | | | | | | |
| 4. | | | | | | | | | | | | | | | | | | |
| 5. | | | | | | | | | | | | | | | | | | |
| 6. | | | | | | | | | | | | | | | | | | |
| 7. | | | | | | | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | | |

ONE SAMPLE PER LINE

| | | |
|---|---|---|
| COLLECTED BY (signature): [signature] | CUSTODY SEAL NO. (IF ANY) | DATE/TIME |
| RELINQUISHED BY (signature): [signature] | RECEIVED BY (signature) | DATE/TIME: 4/26/05 1300 |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT: UPS | DATE/TIME |

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature) | DATE/TIME | CONDITION | TEMP. |
| COOLER # | REMARKS & OTHER INFORMATION | | |
| | WDNR FACILITY NUMBER | E-MAIL ADDRESS | |

REPORT TO: Paul Sklar

INVOICE TO: Paul Sklar

PRESERVATIVE:
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N = nitric acid
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M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

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# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD


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400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

*Wisconsin Lab Cert. No. 721026460*

*WI DATCP 105-000330*


NO. 76418

| | |
|---|---|
| CLIENT | URS |
| ADDRESS | 10200 Innovation Dr Ste 500 |
| CITY / STATE / ZIP | Milwaukee WI 53226 |
| PROJECT DESCRIPTION / NO. | KC NFS / 25155375 |
| QUOTATION NO. | |
| DNR FID # | |
| DNR LICENSE # | |
| CONTACT | Paul Skluzacek |
| PHONE | 414-271-4100 |
| PURCHASE ORDER NO. | |
| FAX | 414 271-4171 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
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SED = sediment
PROD = product
SL = sludge
OTHER

ANALYZE PER ORDER OF ANALYSIS

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite

| ITEM NO. | NLS LAB. NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | VOC | SVOC | Cyanide | Acetone | Hexane | Percent Solids | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | | NS-SOGP136-1-3 | 4/26/05 | 1450 | SL | X | X | X | X | X | X | |
| 2. | | NS-SOGP136-4-6 | | 1510 | | X | X | X | X | X | X | |
| 3. | | NS-SOGP138-1-3 | | 1530 | | X | X | X | X | X | X | |
| 4. | | NS-SOGP138-4-6 | | 1540 | | X | X | X | X | X | X | |
| 5. | | NS-SOGP103-2-4 | 4/27/05 | 0830 | | X | X | X | X | X | X | |
| 6. | | NS-SOGP103-6-8 | | 0930 | | X | X | X | X | X | X | |
| 7. | | NS-SOGP103-10-12 | | 0945 | | X | X | X | X | X | X | |
| 8. | | NS-SOGP147-2-4 | | 1050 | | X | X | X | X | X | X | |
| 9. | | NS-SOGP147-13-15 | | 1110 | | X | X | X | X | X | X | |
| 10. | | NS-SOGP152-2-4 | | 1130 | | X | X | X | X | X | X | |

| | | |
|---|---|---|
| COLLECTED BY (signature) | CUSTODY SEAL NO. (IF ANY) | DATE/TIME |
| RELINQUISHED BY (signature) | RECEIVED BY (signature) | DATE/TIME 4/27/05 1500 |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT UPS | DATE/TIME |

REPORT TO: Paul Skluzacek

INVOICE TO: Paul Skluzacek

| RECEIVED AT NLS BY (signature) | DATE/TIME | CONDITION | TEMP |
|---|---|---|---|
| COOLER # | REMARKS & OTHER INFORMATION | | |
| | WDNR FACILITY NUMBER | E-MAIL ADDRESS | |

PRESERVATIVE: N = nitric acid; OH = sodium hydroxide; NP = no preservative; Z = zinc acetate; HA = hydrochloric & ascorbic acid; S = sulfuric acid; M = methanol; H = hydrochloric acid

**IMPORTANT:**

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# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

**NORTHERN LAKE SERVICE, INC.**
*Analytical Laboratory and Environmental Services*
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060

*Wisconsin Lab Cert. No. 721026460*
*WI DATCP 105-000330*

NO. 76419

| | |
|---|---|
| CLIENT | URS |
| ADDRESS | 10200 Innovation Dr. Ste 500 |
| CITY | Milwaukee |
| STATE | WI |
| ZIP | 53226 |
| PROJECT DESCRIPTION / NO. | Xcel RIFS / 25685375 |
| QUOTATION NO. | |
| DNR FID # | |
| DNR LICENSE # | |
| CONTACT | Paul Sklar |
| PHONE | 414 831-4100 |
| PURCHASE ORDER NO. | |
| FAX | 414-831-4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered. Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS

| ITEM NO. | NLS LAB. NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | | VOC (G) | SVOC (G) | Cyanide (G) | Metals (G) | Hexachloride (G) | Percent Solids (G) | | | | | | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | | NS-SQDup11-0405 | 4/27/05 | | Soil | | X | X | X | X | X | X | | | | | | |
| 2. | | NS-SOGP153-1-3 | | 1245 | | | X | X | X | X | X | X | | | | | | |
| 3. | | NS-SOGP153-12-14 | | 1310 | | | X | X | X | X | X | X | | | | | | |
| 4. | | NS-SOGP158-0-2 | | 1330 | | | X | X | X | X | X | X | | | | | | |
| 5. | | NS-SOGP157-1-3 | | 1400 | | | X | X | X | X | X | X | | | | | | |
| 6. | | NS-SOGP157-10-12 | | 1440 | | | X | X | X | X | X | X | | | | | | |
| 7. | | NS-SQEqptBlank7-0405 | | 1300 | Rinsate | | X | X | X | X | X | | | | | | | Hex chrome is not field filtered |
| 8. | | NS-SQMeOHBlank9 0405 | | | MeOH | | X | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature) [signature] | CUSTODY SEAL NO. (IF ANY) | DATE/TIME |
| RELINQUISHED BY (signature) [signature] | RECEIVED BY (signature) | DATE/TIME 4/27/05 1500 |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT UPS | DATE/TIME |

REPORT TO: Paul Sklar

INVOICE TO: Paul Sklar

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature) | DATE/TIME | CONDITION | TEMP |
| COOLER # | REMARKS & OTHER INFORMATION | | |
| | WDNR FACILITY NUMBER | E-MAIL ADDRESS | |

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT:
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4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGRI[illegible] STANDARD TERMS & CONDITIONS ON REVERSE.

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD


**NORTHERN LAKE SERVICE, INC.**

*Analytical Laboratory and Environmental Services*

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

*Wisconsin Lab Cert. No. 721026460*

*WI DATCP 105-000330*


NO. 76420

| | |
|---|---|
| CLIENT | NLS |
| ADDRESS | 10200 Innovation Dr. Ste 500 |
| CITY / STATE / ZIP | Milwaukee WI 53226 |
| PROJECT DESCRIPTION / NO. | Xcel MFS / 25058375 |
| QUOTATION NO. | |
| DNR FID # | |
| DNR LICENSE # | |
| CONTACT | Paul Sklar |
| PHONE | 414-831-4100 |
| PURCHASE ORDER NO. | |
| FAX | 414-831-4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

ANALYZE PER ORDER OF ANALYSIS

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

| ITEM NO. | NLS LAB. NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | | VOC | SVOC | Cyanide | Metals | Hexachrome | Percent Solids | | | | | | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | G | G | C | G | G | G | | | | | | |
| 1. | | NS-SOGP151-1-3 | 4/27/05 | 1520 | SOIL | | X | X | X | X | X | X | | | | | | |
| 2. | | NS-SOGP154-2-4 | | 1550 | | | X | X | X | X | X | X | | | | | | |
| 3. | | NS-SOGP154-13-15 | | 1630 | | | X | X | X | X | X | X | | | | | | |
| 4. | | NS-SOGP148-1-3 | | 1650 | | | X | X | X | X | X | X | | | | | | |
| 5. | | NS-SOGP12-0405 | | | | | X | X | X | X | X | X | | | | | | |
| 6. | | NS-SOGP149-1-3 | 4/28/05 | 0740 | | | X | X | X | X | X | X | | | | | | MS/MSD |
| 7. | | NS-SOGP150-0-2 | | 0840 | | | X | X | X | X | X | X | | | | | | |
| 8. | | NS-SOGP150-13-15 | | 0915 | | | X | X | X | X | X | X | | | | | | |
| 9. | | NS-SOGP155-1-3 | | 0940 | | | X | X | X | X | X | X | | | | | | |
| 10. | | NS-SOGP155-5-7 | | 0950 | | | X | X | X | X | X | X | | | | | | |

COLLECTED BY (signature): [signature] — CUSTODY SEAL NO. (IF ANY) — DATE/TIME

RELINQUISHED BY (signature): [signature] — RECEIVED BY (signature) — DATE/TIME: 4/28/05 1445

DISPATCHED BY (signature) — METHOD OF TRANSPORT: UPS — DATE/TIME

REPORT TO: Paul Sklar

INVOICE TO: Paul Sklar

RECEIVED AT NLS BY (signature) — DATE/TIME — CONDITION — TEMP

COOLER # — REMARKS & OTHER INFORMATION

WDNR FACILITY NUMBER — E-MAIL ADDRESS

PRESERVATIVE: N = nitric acid; OH = sodium hydroxide; NP = no preservative; Z = zinc acetate; HA = hydrochloric & ascorbic acid; S = sulfuric acid; M = methanol; H = hydrochloric acid

**IMPORTANT:**

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# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

Wisconsin Lab Cert. No. 721026460
WI DATCP 105-000330

**NORTHERN LAKE SERVICE, INC.**
Analytical Laboratory and Environmental Services
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060

NO. 76421

| | |
|---|---|
| CLIENT URS | |
| ADDRESS 10200 Innovation Dr. Ste 500 | |
| CITY Milwaukee STATE WI ZIP 53226 | |
| PROJECT DESCRIPTION / NO. Xcel RIFS / 25658375 | QUOTATION NO. |
| DNR FID # | DNR LICENSE # |
| CONTACT Paul Sklar | PHONE 414 831-4100 |
| PURCHASE ORDER NO. | FAX 414 831-4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered. Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS

| ITEM NO. | NLS LAB. NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | | VOC (G) | SVOC (G) | Cyanide (G) | Metals (G) | Hexachrome (G) | Percent Solids (G) | | | | | | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | | NS-SOGP156-0-2 | 4/28/05 | 1030 | Soil | | X | X | X | X | X | X | | | | | | |
| 2. | | NS-SOGP156-4-6 | | 1100 | | | X | X | X | X | X | X | | | | | | |
| 3. | | NS-SOGP145-2-4 | | 1130 | | | X | X | X | X | X | X | | | | | | |
| 4. | | NS-SQDup03-0405 | | | | | X | X | X | X | X | X | | | | | | |
| 5. | | NS-SOGP145-13-15 | | 1200 | | | X | X | X | X | X | X | | | | | | |
| 6. | | NS-SOGP146-0-3 | | 1220 | | | X | X | X | X | X | X | | | | | | |
| 7. | | NS-SOGP146-10-12 | | 1240 | | | X | X | X | X | X | X | | | | | | |
| 8. | | NS-SOGP144-4-6 | | 1330 | | | X | X | X | X | X | X | | | | | | |
| 9. | | NS-SQEqpt Blank 8-0405 | | 1250 | R[illegible] | | X | X | X | X | X | | | | | | | [illegible] |
| 10. | | NS-SQMeOH Blank 10-0405 | | | MeOH | | X | | | | | | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature) [signature] | CUSTODY SEAL NO. (IF ANY) | DATE/TIME |
| RELINQUISHED BY (signature) [signature] | RECEIVED BY (signature) | DATE/TIME 4/28/05 1445 |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT UPS | DATE/TIME |

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature) | DATE/TIME | CONDITION | TEMP. |
| COOLER # | REMARKS & OTHER INFORMATION | | |
| | WDNR FACILITY NUMBER | E-MAIL ADDRESS | |

REPORT TO [illegible]

INVOICE TO [illegible]

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

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4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGRE[illegible] [illegible]ANDARD TERMS & CONDITIONS ON REVERSE.

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

Wisconsin Lab Cert. No. 721026460
WI DATCP 105-000330

**NORTHERN LAKE SERVICE, INC.**
Analytical Laboratory and Environmental Services
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060

NO. 76422

| | |
|---|---|
| CLIENT: URS | |
| ADDRESS: 10200 Innovation Dr Ste 500 | |
| CITY: Milwaukee STATE: WI | ZIP: 53226 |
| PROJECT DESCRIPTION / NO.: Yeel RIFS / 25658275 | QUOTATION NO. |
| DNR FID # | DNR LICENSE # |
| CONTACT: Paul Stelar | PHONE: 414-831-4100 |
| PURCHASE ORDER NO. | FAX: 414-831-4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered. Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS

| ITEM NO. | NLS LAB. NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | | VOC | SVOC | Cyanide | Metals | Herbicides | Pesticides | | | | | | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | G | G | G | G | G | G | | | | | | |
| 1. | | NS-SQMeOH Blank11-0405 | 4/25/05 | | MeOH | | X | | | | | | | | | | | |
| 2. | | | | | | | | | | | | | | | | | | |
| 3. | | | | | | | | | | | | | | | | | | |
| 4. | | | | | | | | | | | | | | | | | | |
| 5. | | | | | | | | | | | | | | | | | | |
| 6. | | | | | | | | | | | | | | | | | | |
| 7. | | | | | | | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | | |

ONE SAMPLE PER LINE

| | | |
|---|---|---|
| COLLECTED BY (signature): [signature] | CUSTODY SEAL NO. (IF ANY) | DATE/TIME |
| RELINQUISHED BY (signature): [signature] | RECEIVED BY (signature) | DATE/TIME: 4/25/05 1445 |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT: UPS | DATE/TIME |

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature) | DATE/TIME | CONDITION | TEMP |
| COOLER # | REMARKS & OTHER INFORMATION | | |
| | WDNR FACILITY NUMBER | E-MAIL ADDRESS | |

REPORT TO: Paul Stelar

INVOICE TO: Paul Stelar

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Z = zinc acetate
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# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD


**NORTHERN LAKE SERVICE, INC.**

*Analytical Laboratory and Environmental Services*

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

*Wisconsin Lab Cert. No. 721026460*

*WI DATCP 105-000330*


NO. 76424

| | |
|---|---|
| CLIENT | URS |
| ADDRESS | 10200 Innovation Dr. Ste 500 |
| CITY / STATE / ZIP | Milwaukee / WI / 53226 |
| PROJECT DESCRIPTION / NO. | X-rel RIFS / 25658375 |
| QUOTATION NO. | |
| DNR FID # | |
| DNR LICENSE # | |
| CONTACT | Paul Sklar |
| PHONE | 414-831-4100 |
| PURCHASE ORDER NO. | |
| FAX | 414-831-4161 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

ANALYZE PER ORDER OF ANALYSIS

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

| ITEM NO. | NLS LAB. NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | | VOC | SVOC | Cyanide | Metals | Hexachlorobenzene | Percent Solids | | | | | | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | G | G | G | G | G | G | | | | | | |
| 1. | | NS-SS23-0-1 | 4/29/05 | 0815 | Soil | | X | X | X | X | X | X | | | | | | |
| 2. | | NS-SOGP160-3-5 | | 0825 | | | X | X | X | X | X | X | | | | | | |
| 3. | | NS-SOGP160-8-10 | | 0850 | | | X | X | X | X | X | X | | | | | | Low volume for SVOCs |
| 4. | | NS-SS22-0-1 | | 1000 | | | X | X | X | X | X | X | | | | | | |
| 5. | | NS-SOGP161-3-5 | | 1015 | | | X | X | X | X | X | X | | | | | | |
| 6. | | NS-SRDup14-0405 | | | | | X | X | X | X | X | X | | | | | | |
| 7. | | NS-SOGP161-8-10 | | 1020 | | | X | X | X | X | X | X | | | | | | MS/MSD |
| 8. | | NS-SOGP161-12-14 | | 1040 | | | X | X | X | X | X | X | | | | | | |
| 9. | | NS-SS25-0-1 | | 1110 | | | X | X | X | X | X | X | | | | | | |
| 10. | | NS-SOGP159-3-5 | ↓ | 1120 | ↓ | | X | X | X | X | X | X | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature) | CUSTODY SEAL NO. (IF ANY) | DATE/TIME |
| RELINQUISHED BY (signature) | RECEIVED BY (signature) | DATE/TIME 4/29/05 1415 |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT: URS / NLS Staff | DATE/TIME |

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature) | DATE/TIME | CONDITION | TEMP. |
| COOLER # | REMARKS & OTHER INFORMATION | | |
| WDNR FACILITY NUMBER | E-MAIL ADDRESS | | |

REPORT TO: Paul Sklar

INVOICE TO: Paul Sklar

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Z = zinc acetate
M = methanol
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# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD


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*Analytical Laboratory and Environmental Services*

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

*Wisconsin Lab Cert. No. 721026460*

*WI DATCP 105-000330*


NO. 76423

| | |
|---|---|
| CLIENT | URS |
| ADDRESS | 1200 Jorie Blvd Ste 500 |
| CITY | Oak Brook STATE IL ZIP 60523 |
| PROJECT DESCRIPTION / NO. | Excel RIFS / 25655375 |
| QUOTATION NO. | |
| DNR FID # | |
| DNR LICENSE # | |
| CONTACT | Paul Sklar |
| PHONE | 414-831-4100 |
| PURCHASE ORDER NO. | |
| FAX | 414-831-4101 |

MATRIX:
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GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
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OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

| ITEM NO. | NLS LAB. NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | ANALYZE PER ORDER OF ANALYSIS: VOC | SVOC | Cyanide | Metals | Ethoxylates | Percent Solids | | | | | | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | G | G | C | G | G | G | | | | | | |
| 1. | | NS-SOGP159-8-10 | 4/29/05 | 1130 | Soil | X | X | X | X | X | X | | | | | | |
| 2. | | NS-SOGP159-12-14 | | 1150 | | X | X | X | X | X | X | | | | | | |
| 3. | | NS-5524-0-4 | | 1200 | | X | X | X | X | X | X | | | | | | |
| 4. | | NS-SQEqp Blank 9-0405 | | 1045 | Waste | X | X | X | X | X | | | | | | | Hose Rinse + DI w/ Fittings |
| 5. | | NS-SQEqp Blank 12-0405 | | | H2O | X | | | | | | | | | | | |
| 6. | | | | | | | | | | | | | | | | | |
| 7. | | | | | | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature) | CUSTODY SEAL NO. (IF ANY) | DATE/TIME |
| RELINQUISHED BY (signature) | RECEIVED BY (signature) | DATE/TIME 4/29/05 1445 |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT URS / NLS Staff | DATE/TIME |

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature) | | DATE/TIME | CONDITION / TEMP. |
| COOLER # | | REMARKS & OTHER INFORMATION | |
| | | WDNR FACILITY NUMBER | E-MAIL ADDRESS |

REPORT TO: Paul Sklar

INVOICE TO: Paul Sklar

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S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
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NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RIFS/25688375

NLS Project: 90155
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**Soil, NS-SS14-0-1 NLS ID: 373651**
Ref. Line 1 COC 80118 Soil, NS-SS14-0-1 Matrix: SO
Collected: 06/07/05 13:30 Received: 06/09/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 5900 | mg/Kg DWB | 1 | 7.5 | 28 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 5.0 | 07/06/05 | SW846 7041 | 721026460 |
| | Matrix spike and spike duplicate recoveries for this sample where outside of the NLS in-house control limits at 16 % and 14 % respectively. Problem attributed to sample matrix. | | | | | | | |
| Arsenic, tot. recoverable as As by furnace AAS | [2.6] | mg/Kg DWB | 20 | 1.1 | 4.0 | 07/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 83 | mg/Kg DWB | 1 | 0.18 | 0.36 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.69 | mg/Kg DWB | 5 | 0.18 | 0.62 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | [0.62] | mg/Kg DWB | 1 | 0.26 | 0.96 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 18000 | mg/Kg DWB | 10 | 53 | 110 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 17 | mg/Kg DWB | 1 | 0.53* | 1.9 | 07/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.22 | mg/Kg DWB | 2 | 0.16* | | 06/14/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 17 | mg/Kg DWB | 1 | 0.53 | 1.9 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.4 | mg/Kg DWB | 1 | 0.50 | 1.7 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 38 | mg/Kg DWB | 1 | 0.21 | 0.78 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.20] | mg/Kg DWB | 1 | 0.11 | 0.33 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 17000 | mg/Kg DWB | 10 | 9.9 | 37 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 150 | mg/Kg DWB | 1 | 5.8 | 21 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 6800 | mg/Kg DWB | 10 | 53 | 110 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 360 | mg/Kg DWB | 1 | 0.12 | 0.36 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.087 | 0.31 | 06/20/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 15 | mg/Kg DWB | 1 | 1.2 | 4.5 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 650 | mg/Kg DWB | 1 | 13 | 47 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.6 | 06/27/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.52 | 1.8 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 250 | mg/Kg DWB | 1 | 1.2 | 4.3 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 90.4 | % | 1 | 0.10* | | 06/10/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.7 | 5.9 | 07/05/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 31 | mg/Kg DWB | 1 | 0.31 | 1.1 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 110 | mg/Kg DWB | 1 | 0.24 | 0.71 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/23/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/14/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/10/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/17/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/10/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 90155
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SS21-0-1 NLS ID: 373652**
Ref. Line 2 COC 80118 Soil, NS-SS21-0-1 Matrix: SO
Collected: 06/07/05 13:40 Received: 06/09/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 2000 | mg/Kg DWB | 1 | 7.5 | 28 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.9 | 07/06/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 3.9 | 07/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 19 | mg/Kg DWB | 1 | 0.18 | 0.36 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.15] | mg/Kg DWB | 2 | 0.071 | 0.25 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | [0.59] | mg/Kg DWB | 1 | 0.26 | 0.96 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 1000 | mg/Kg DWB | 10 | 54 | 110 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 5.8 | mg/Kg DWB | 1 | 0.54* | 1.9 | 07/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.16 | mg/Kg DWB | 2 | 0.16* | | 06/14/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 6.0 | mg/Kg DWB | 1 | 0.54 | 1.9 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 2.0 | mg/Kg DWB | 1 | 0.50 | 1.8 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 6.9 | mg/Kg DWB | 1 | 0.21 | 0.79 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.33 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 6200 | mg/Kg DWB | 10 | 10 | 37 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 28 | mg/Kg DWB | 1 | 5.8 | 21 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 840 | mg/Kg DWB | 10 | 54 | 110 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 100 | mg/Kg DWB | 1 | 0.12 | 0.36 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.087 | 0.31 | 06/20/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | [3.8] | mg/Kg DWB | 1 | 1.3 | 4.5 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 260 | mg/Kg DWB | 1 | 13 | 47 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.5 | 06/27/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.52 | 1.9 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 52 | mg/Kg DWB | 1 | 1.2 | 4.3 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 90.7 | % | 1 | 0.10* | | 06/10/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.8 | 07/05/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 13 | mg/Kg DWB | 1 | 0.31 | 1.1 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 180 | mg/Kg DWB | 1 | 0.24 | 0.71 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/23/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/14/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/10/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/17/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/10/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

***WDNR Laboratory ID No. 721026460***
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 90155**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

**Soil, NS-SS12-0-1 NLS ID: 373653**
Ref. Line 3 COC 80118 Soil, NS-SS12-0-1 Matrix: SO
Collected: 06/07/05 17:30 Received: 06/09/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 7300 | mg/Kg DWB | 1 | 8.0 | 30 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.5 | 07/06/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.5] | mg/Kg DWB | 20 | 1.2 | 4.4 | 07/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 140 | mg/Kg DWB | 1 | 0.19 | 0.38 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.50] | mg/Kg DWB | 5 | 0.19 | 0.67 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | [0.28] | mg/Kg DWB | 1 | 0.28 | 1.0 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 17000 | mg/Kg DWB | 10 | 57 | 110 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 17 | mg/Kg DWB | 1 | 0.57* | 2.0 | 07/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.18 | mg/Kg DWB | 2 | 0.17* | | 06/14/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 17 | mg/Kg DWB | 1 | 0.57 | 2.0 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.2 | mg/Kg DWB | 1 | 0.54 | 1.9 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 31 | mg/Kg DWB | 1 | 0.23 | 0.84 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.12] | mg/Kg DWB | 1 | 0.12 | 0.36 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 25000 | mg/Kg DWB | 10 | 11 | 40 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 210 | mg/Kg DWB | 1 | 6.2 | 23 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 6600 | mg/Kg DWB | 10 | 57 | 110 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 270 | mg/Kg DWB | 1 | 0.13 | 0.38 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | [0.26] | mg/Kg DWB | 1 | 0.074 | 0.26 | 06/20/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 19 | mg/Kg DWB | 1 | 1.3 | 4.9 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1100 | mg/Kg DWB | 1 | 14 | 50 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | [1.5] | mg/Kg DWB | 20 | 1.4 | 5.0 | 06/27/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.56 | 2.0 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 320 | mg/Kg DWB | 1 | 1.3 | 4.6 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 85.0 | % | 1 | 0.10* | | 06/10/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.8 | 6.5 | 07/05/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 25 | mg/Kg DWB | 1 | 0.33 | 1.2 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 200 | mg/Kg DWB | 1 | 0.26 | 0.77 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/23/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/14/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/10/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/17/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/10/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 90155
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SS13-0-1 NLS ID: 373654**
Ref. Line 4 COC 80118 Soil, NS-SS13-0-1 Matrix: SO
Collected: 06/07/05 17:40 Received: 06/09/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 11000 | mg/Kg DWB | 1 | 8.1 | 30 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.4 | 07/06/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.3] | mg/Kg DWB | 20 | 1.2 | 4.3 | 07/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 150 | mg/Kg DWB | 1 | 0.19 | 0.38 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.71 | mg/Kg DWB | 5 | 0.19 | 0.67 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.28 | 1.0 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 19000 | mg/Kg DWB | 10 | 58 | 120 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 22 | mg/Kg DWB | 1 | 0.58* | 2.0 | 07/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.17 | mg/Kg DWB | 2 | 0.16* | | 06/14/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 22 | mg/Kg DWB | 1 | 0.58 | 2.0 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.7 | mg/Kg DWB | 1 | 0.54 | 1.9 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 44 | mg/Kg DWB | 1 | 0.23 | 0.84 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.35 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 20000 | mg/Kg DWB | 10 | 11 | 40 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 44 | mg/Kg DWB | 1 | 6.2 | 23 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 6900 | mg/Kg DWB | 10 | 58 | 120 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 320 | mg/Kg DWB | 1 | 0.13 | 0.38 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | [0.16] | mg/Kg DWB | 1 | 0.074 | 0.26 | 06/20/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 17 | mg/Kg DWB | 1 | 1.3 | 4.9 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1500 | mg/Kg DWB | 1 | 14 | 50 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.4 | 4.9 | 06/27/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.56 | 2.0 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 100 | mg/Kg DWB | 1 | 1.3 | 4.6 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 85.3 | % | 1 | 0.10* | | 06/10/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.8 | 6.4 | 07/05/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 33 | mg/Kg DWB | 1 | 0.33 | 1.2 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 90 | mg/Kg DWB | 1 | 0.26 | 0.77 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/23/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/14/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/10/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/17/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/10/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Project:** **Xcel RIFS/25688375**

**NLS Project: 90155**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Soil, NS-SS11-0-1 NLS ID: 373655**
Ref. Line 5 COC 80118 Soil, NS-SS11-0-1 Matrix: SO
Collected: 06/08/05 12:50 Received: 06/09/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 8500 | mg/Kg DWB | 1 | 8.1 | 30 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 5.1 | 07/06/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.3] | mg/Kg DWB | 20 | 1.2 | 4.1 | 07/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 120 | mg/Kg DWB | 1 | 0.19 | 0.39 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.62] | mg/Kg DWB | 5 | 0.19 | 0.68 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | [0.68] | mg/Kg DWB | 1 | 0.29 | 1.0 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 8900 | mg/Kg DWB | 10 | 58 | 120 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 20 | mg/Kg DWB | 1 | 0.58* | 2.0 | 07/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.18* | | 06/14/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 20 | mg/Kg DWB | 1 | 0.58 | 2.0 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.0 | mg/Kg DWB | 1 | 0.54 | 1.9 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 63 | mg/Kg DWB | 1 | 0.23 | 0.85 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.13] | mg/Kg DWB | 1 | 0.13 | 0.38 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 19000 | mg/Kg DWB | 10 | 11 | 40 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 53 | mg/Kg DWB | 1 | 6.3 | 23 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 4600 | mg/Kg DWB | 10 | 58 | 120 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 370 | mg/Kg DWB | 1 | 0.13 | 0.39 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | 0.80 | mg/Kg DWB | 1 | 0.079 | 0.28 | 06/20/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 14 | mg/Kg DWB | 1 | 1.4 | 4.9 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 980 | mg/Kg DWB | 1 | 14 | 51 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.7 | 06/27/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | 3.2 | mg/Kg DWB | 1 | 0.56 | 2.0 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 72 | mg/Kg DWB | 1 | 1.3 | 4.6 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 80.3 | % | 1 | 0.10* | | 06/10/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.7 | 6.1 | 07/05/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 27 | mg/Kg DWB | 1 | 0.34 | 1.2 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 140 | mg/Kg DWB | 1 | 0.26 | 0.77 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/23/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/14/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/10/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/17/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/10/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RIFS/25688375

NLS Project: 90155
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**Soil, NS-SOTP104-0-1 NLS ID: 373656**
Ref. Line 6 COC 80118 Soil, NS-SOTP104-0-1 Matrix: SO
Collected: 06/08/05 13:10 Received: 06/09/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 7500 | mg/Kg DWB | 1 | 6.8 | 25 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [2.1] | mg/Kg DWB | 20 | 1.3 | 4.5 | 07/06/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.4] | mg/Kg DWB | 20 | 1.0 | 3.6 | 07/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 130 | mg/Kg DWB | 1 | 0.16 | 0.32 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.79 | mg/Kg DWB | 5 | 0.16 | 0.57 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.24 | 0.87 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 14000 | mg/Kg DWB | 10 | 49 | 97 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 17 | mg/Kg DWB | 1 | 0.49* | 1.7 | 07/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.18 | mg/Kg DWB | 2 | 0.18* | | 06/14/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 17 | mg/Kg DWB | 1 | 0.49 | 1.7 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.7 | mg/Kg DWB | 1 | 0.45 | 1.6 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 40 | mg/Kg DWB | 1 | 0.19 | 0.71 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.35 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 21000 | mg/Kg DWB | 10 | 9.1 | 34 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 460 | mg/Kg DWB | 1 | 5.2 | 19 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 6200 | mg/Kg DWB | 10 | 49 | 97 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 290 | mg/Kg DWB | 1 | 0.11 | 0.32 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | [0.24] | mg/Kg DWB | 1 | 0.075 | 0.27 | 06/20/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 14 | mg/Kg DWB | 1 | 1.1 | 4.1 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1200 | mg/Kg DWB | 1 | 12 | 42 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.1 | 06/27/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.47 | 1.7 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 100 | mg/Kg DWB | 1 | 1.1 | 3.9 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 84.5 | % | 1 | 0.10* | | 06/10/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.4 | 07/05/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 30 | mg/Kg DWB | 1 | 0.28 | 1.0 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc tot. recoverable as Zn by ICP | 160 | mg/Kg DWB | 1 | 0.22 | 0.65 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/23/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/14/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/10/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/17/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/10/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 90155**
**NLS Customer: 91206**

**Fax: 414 831 4101 Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

**Soil, NS-SOTP103-0-1 NLS ID: 373657**
Ref. Line 7 COC 80118 Soil, NS-SOTP103-0-1 Matrix: SO
Collected: 06/08/05 13:40 Received: 06/09/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 13000 | mg/Kg DWB | 1 | 8.1 | 30 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.9 | 07/06/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.6] | mg/Kg DWB | 20 | 1.1 | 3.9 | 07/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 97 | mg/Kg DWB | 1 | 0.19 | 0.39 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 1.0 | mg/Kg DWB | 5 | 0.19 | 0.68 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.29 | 1.0 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 40000 | mg/Kg DWB | 10 | 58 | 120 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 26 | mg/Kg DWB | 1 | 0.58* | 2.0 | 07/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.24 | mg/Kg DWB | 2 | 0.17* | | 06/14/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 26 | mg/Kg DWB | 1 | 0.58 | 2.0 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 9.1 | mg/Kg DWB | 1 | 0.54 | 1.9 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 23 | mg/Kg DWB | 1 | 0.23 | 0.85 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.36 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 24000 | mg/Kg DWB | 10 | 11 | 40 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [20] | mg/Kg DWB | 1 | 6.3 | 23 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 13000 | mg/Kg DWB | 10 | 58 | 120 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 370 | mg/Kg DWB | 1 | 0.13 | 0.39 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.075 | 0.27 | 06/20/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 20 | mg/Kg DWB | 1 | 1.4 | 4.9 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1800 | mg/Kg DWB | 1 | 14 | 51 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.4 | 06/27/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.56 | 2.0 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 190 | mg/Kg DWB | 1 | 1.3 | 4.6 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 84.2 | % | 1 | 0.10* | | 06/10/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.8 | 07/05/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 37 | mg/Kg DWB | 1 | 0.34 | 1.2 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 52 | mg/Kg DWB | 1 | 0.26 | 0.77 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/23/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/14/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/10/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/17/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/10/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 90155
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOTP107-0-1 NLS ID: 373658**
Ref. Line 8 COC 80118 Soil, NS-SOTP107 0-1 Matrix: SO
Collected: 06/08/05 14:10 Received: 06/09/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 9600 | mg/Kg DWB | 1 | 7.0 | 26 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [2.1] | mg/Kg DWB | 20 | 1.4 | 5.1 | 07/06/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.7] | mg/Kg DWB | 20 | 1.1 | 4.0 | 07/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 72 | mg/Kg DWB | 1 | 0.17 | 0.33 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.73 | mg/Kg DWB | 5 | 0.17 | 0.58 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.25 | 0.89 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 19000 | mg/Kg DWB | 10 | 50 | 99 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 20 | mg/Kg DWB | 1 | 0.50* | 1.8 | 07/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.28 | mg/Kg DWB | 2 | 0.16* | | 06/14/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 20 | mg/Kg DWB | 1 | 0.50 | 1.8 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.5 | mg/Kg DWB | 1 | 0.46 | 1.6 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 19 | mg/Kg DWB | 1 | 0.20 | 0.73 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.34 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 20000 | mg/Kg DWB | 10 | 9.3 | 34 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [18] | mg/Kg DWB | 1 | 5.4 | 20 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 7900 | mg/Kg DWB | 10 | 50 | 99 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 270 | mg/Kg DWB | 1 | 0.11 | 0.33 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.071 | 0.25 | 06/20/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 17 | mg/Kg DWB | 1 | 1.2 | 4.2 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1300 | mg/Kg DWB | 1 | 12 | 43 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.6 | 06/27/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.48 | 1.7 | 07/07/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 130 | mg/Kg DWB | 1 | 1.1 | 4.0 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 88.4 | % | 1 | 0.10* | | 06/10/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.7 | 6.0 | 07/05/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 32 | mg/Kg DWB | 1 | 0.29 | 1.1 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc tot. recoverable as Zn by ICP | 41 | mg/Kg DWB | 1 | 0.22 | 0.66 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/23/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/14/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/10/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/17/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/10/05 | SW846 3550B | 721026460 |

**NS- SQMeOH Blank - 1-0605 NLS ID: 373659**
Ref. Line 10 COC 80118 NS- SQMeOH Blank - 1-0605 Matrix: TB
Collected: 06/08/05 00:00 Received: 06/09/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/10/05 | SW846 8260 | 721026460 |

NORTHERN LAKE SERVICE, INC.
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 90155
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90155**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 07/13/2005 12:52**

**Sample: 373651** **Soil, NS-SS14-(-1** **Collected: 06/07/05** **Analyzed: 06/17/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 5 | 160 | 540 |
| Acenaphthylene | ND | ug/Kg | 5 | 150 | 510 |
| Anthracene | ND | ug/Kg | 5 | 190 | 640 |
| Benzo[a]anthracene | [350] | ug/Kg | 5 | 170 | 570 |
| Benzo[a]pyrene | [390] | ug/Kg | 5 | 170 | 570 |
| Benzo[b]fluoranthene | [560] | ug/Kg | 5 | 190 | 630 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 5 | 160 | 540 |
| Benzo[k]fluoranthene | [210] | ug/Kg | 5 | 190 | 640 |
| Chrysene | [410] | ug/Kg | 5 | 180 | 590 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 5 | 170 | 570 |
| Dibenzofuran | ND | ug/Kg | 5 | 160 | 530 |
| Fluoranthene | 730 | ug/Kg | 5 | 190 | 620 |
| Fluorene | ND | ug/Kg | 5 | 160 | 540 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 5 | 160 | 520 |
| 1-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 530 |
| 2-Methylnaphthalene | [190] | ug/Kg | 5 | 160 | 520 |
| 2-Methylphenol | ND | ug/Kg | 5 | 130 | 430 |
| 3 & 4-Methylphenol | ND | ug/Kg | 5 | 270 | 960 |
| Naphthalene | ND | ug/Kg | 5 | 150 | 510 |
| Phenanthrene | 620 | ug/Kg | 5 | 180 | 610 |
| Phenol | ND | ug/Kg | 5 | 140 | 470 |
| Pyrene | 770 | ug/Kg | 5 | 180 | 590 |
| Benzo[e]pyrene | [330] | ug/Kg | 5 | 190 | 640 |
| 2-Fluorophenol (SURR**) | 68% | | | | |
| Phenol-d5 (SURR**) | 75% | | | | |
| Nitrobenzene-d5 (SURR**) | 76% | | | | |
| 2-Fluorobiphenyl (SURR**) | 87% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 77% | | | | |
| Terphenyl-d14 (SURR**) | 75% | | | | |

Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.
The internal standard Perylene-d12 area count recovered outside QC limits. Compound results associated may have a high bias.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90155**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 07/13/2005 12:52**

**Sample: 373652** **Soil, NS-SS21-0-1** **Collected: 06/07/05** **Analyzed: 06/17/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 2 | 65 | 220 |
| Acenaphthylene | ND | ug/Kg | 2 | 61 | 200 |
| Anthracene | ND | ug/Kg | 2 | 77 | 260 |
| Benzo[a]anthracene | ND | ug/Kg | 2 | 68 | 230 |
| Benzo[a]pyrene | ND | ug/Kg | 2 | 68 | 230 |
| Benzo[b]fluoranthene | ND | ug/Kg | 2 | 75 | 250 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 2 | 65 | 220 |
| Benzo[k]fluoranthene | ND | ug/Kg | 2 | 76 | 250 |
| Chrysene | ND | ug/Kg | 2 | 71 | 240 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 2 | 68 | 230 |
| Dibenzofuran | ND | ug/Kg | 2 | 63 | 210 |
| Fluoranthene | ND | ug/Kg | 2 | 75 | 250 |
| Fluorene | ND | ug/Kg | 2 | 65 | 220 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 2 | 62 | 210 |
| 1-Methylnaphthalene | ND | ug/Kg | 2 | 63 | 210 |
| 2-Methylnaphthalene | ND | ug/Kg | 2 | 62 | 210 |
| 2-Methylphenol | ND | ug/Kg | 2 | 52 | 170 |
| 3 & 4-Methylphenol | ND | ug/Kg | 2 | 110 | 390 |
| Naphthalene | ND | ug/Kg | 2 | 61 | 200 |
| Phenanthrene | ND | ug/Kg | 2 | 73 | 240 |
| Phenol | ND | ug/Kg | 2 | 56 | 190 |
| Pyrene | ND | ug/Kg | 2 | 71 | 240 |
| Benzo[e]pyrene | ND | ug/Kg | 2 | 76 | 250 |
| 2-Fluorophenol (SURR**) | 58% | | | | |
| Phenol-d5 (SURR**) | 69% | | | | |
| Nitrobenzene-d5 (SURR**) | 66% | | | | |
| 2-Fluorobiphenyl (SURR**) | 80% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 80% | | | | |
| Terphenyl-d14 (SURR**) | 70% | | | | |

Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.
The internal standard Perylene-d12 area count recovered outside QC limits. Compound results associated may have a high bias.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90155**
**Project Description: Xcel RIFS 25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 07/13/2005 12:52**

**Sample: 373653** **Soil, NS-SS12-C-1** **Collected: 06/07/05** **Analyzed: 06/17/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [490] | ug/Kg | 10 | 320 | 1100 |
| Acenaphthylene | [410] | ug/Kg | 10 | 310 | 1000 |
| Anthracene | 1600 | ug/Kg | 10 | 380 | 1300 |
| Benzo[a]anthracene | 4100 | ug/Kg | 10 | 340 | 1100 |
| Benzo[a]pyrene | 3700 | ug/Kg | 10 | 340 | 1100 |
| Benzo[b]fluoranthene | 5300 | ug/Kg | 10 | 380 | 1300 |
| Benzo[g,h,i]perylene | [1000] | ug/Kg | 10 | 330 | 1100 |
| Benzo[k]fluoranthene | 2200 | ug/Kg | 10 | 380 | 1300 |
| Chrysene | 4300 | ug/Kg | 10 | 360 | 1200 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 10 | 340 | 1100 |
| Dibenzofuran | ND | ug/Kg | 10 | 320 | 1100 |
| Fluoranthene | 8800 | ug/Kg | 10 | 370 | 1200 |
| Fluorene | [570] | ug/Kg | 10 | 320 | 1100 |
| Indeno[1,2,3-cd]pyrene | [580] | ug/Kg | 10 | 310 | 1000 |
| 1-Methylnaphthalene | ND | ug/Kg | 10 | 320 | 1100 |
| 2-Methylnaphthalene | ND | ug/Kg | 10 | 310 | 1000 |
| 2-Methylphenol | ND | ug/Kg | 10 | 260 | 870 |
| 3 & 4-Methylphenol | ND | ug/Kg | 10 | 550 | 1900 |
| Naphthalene | ND | ug/Kg | 10 | 310 | 1000 |
| Phenanthrene | 6800 | ug/Kg | 10 | 370 | 1200 |
| Phenol | ND | ug/Kg | 10 | 280 | 940 |
| Pyrene | 9400 | ug/Kg | 10 | 360 | 1200 |
| Benzo[e]pyrene | 2500 | ug/Kg | 10 | 380 | 1300 |
| 2-Fluorophenol (SURR**) | 72% | | | | |
| Phenol-d5 (SURR**) | 81% | | | | |
| Nitrobenzene-d5 (SURR**) | 77% | | | | |
| 2-Fluorobiphenyl (SURR**) | 80% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 76% | | | | |
| Terphenyl-d14 (SURR**) | 73% | | | | |

The internal standard Perylene-d12 area count recovered outside QC limits. Compound results associated may have a high bias.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90155**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 07/13/2005 12:52**

**Sample: 373654** **Soil, NS-SS13-0-1** **Collected: 06/07/05** **Analyzed: 06/17/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 5 | 160 | 540 |
| Acenaphthylene | ND | ug/Kg | 5 | 150 | 510 |
| Anthracene | ND | ug/Kg | 5 | 190 | 640 |
| Benzo[a]anthracene | ND | ug/Kg | 5 | 170 | 570 |
| Benzo[a]pyrene | [290] | ug/Kg | 5 | 170 | 570 |
| Benzo[b]fluoranthene | [330] | ug/Kg | 5 | 190 | 630 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 5 | 160 | 540 |
| Benzo[k]fluoranthene | ND | ug/Kg | 5 | 190 | 640 |
| Chrysene | ND | ug/Kg | 5 | 180 | 590 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 5 | 170 | 570 |
| Dibenzofuran | ND | ug/Kg | 5 | 160 | 530 |
| Fluoranthene | [250] | ug/Kg | 5 | 190 | 620 |
| Fluorene | ND | ug/Kg | 5 | 160 | 540 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 5 | 160 | 520 |
| 1-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 530 |
| 2-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 520 |
| 2-Methylphenol | ND | ug/Kg | 5 | 130 | 430 |
| 3 & 4-Methylphenol | ND | ug/Kg | 5 | 270 | 960 |
| Naphthalene | ND | ug/Kg | 5 | 150 | 510 |
| Phenanthrene | ND | ug/Kg | 5 | 180 | 610 |
| Phenol | ND | ug/Kg | 5 | 140 | 470 |
| Pyrene | [330] | ug/Kg | 5 | 180 | 590 |
| Benzo[e]pyrene | [250] | ug/Kg | 5 | 190 | 640 |
| 2-Fluorophenol (SURR**) | 60% | | | | |
| Phenol-d5 (SURR**) | 68% | | | | |
| Nitrobenzene-d5 (SURR**) | 66% | | | | |
| 2-Fluorobiphenyl (SURR**) | 72% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 65% | | | | |
| Terphenyl-d14 (SURR**) | 66% | | | | |

Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.
The internal standard Perylene-d12 area count recovered outside QC limits. Compound results associated may have a high bias.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90155**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 07/13/2005 12:52**

**Sample: 373655** **Soil, NS-SS11-(**-1** **Collected: 06/08/05** **Analyzed: 06/17/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 5 | 160 | 540 |
| Acenaphthylene | [230] | ug/Kg | 5 | 150 | 510 |
| Anthracene | ND | ug/Kg | 5 | 190 | 640 |
| Benzo[a]anthracene | [270] | ug/Kg | 5 | 170 | 570 |
| Benzo[a]pyrene | [440] | ug/Kg | 5 | 170 | 570 |
| Benzo[b]fluoranthene | [500] | ug/Kg | 5 | 190 | 630 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 5 | 160 | 540 |
| Benzo[k]fluoranthene | ND | ug/Kg | 5 | 190 | 640 |
| Chrysene | [320] | ug/Kg | 5 | 180 | 590 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 5 | 170 | 570 |
| Dibenzofuran | ND | ug/Kg | 5 | 160 | 530 |
| Fluoranthene | [340] | ug/Kg | 5 | 190 | 620 |
| Fluorene | ND | ug/Kg | 5 | 160 | 540 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 5 | 160 | 520 |
| 1-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 530 |
| 2-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 520 |
| 2-Methylphenol | ND | ug/Kg | 5 | 130 | 430 |
| 3 & 4-Methylphenol | ND | ug/Kg | 5 | 270 | 960 |
| Naphthalene | ND | ug/Kg | 5 | 150 | 510 |
| Phenanthrene | ND | ug/Kg | 5 | 180 | 610 |
| Phenol | ND | ug/Kg | 5 | 140 | 470 |
| Pyrene | [540] | ug/Kg | 5 | 180 | 590 |
| Benzo[e]pyrene | [380] | ug/Kg | 5 | 190 | 640 |
| 2-Fluorophenol (SURR**) | 74% | | | | |
| Phenol-d5 (SURR**) | 81% | | | | |
| Nitrobenzene-d5 (SURR**) | 77% | | | | |
| 2-Fluorobiphenyl (SURR**) | 87% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 85% | | | | |
| Terphenyl-d14 (SURR**) | 77% | | | | |

Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.
The internal standard Perylene-d12 area count recovered outside QC limits. Compound results associated may have a high bias.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90155**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/13/2005 12:52**

**Sample: 373656** **Soil, NS-SOTP104-0-1** **Collected: 06/08/05** **Analyzed: 06/17/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 10 | 320 | 1100 |
| Acenaphthylene | ND | ug/Kg | 10 | 310 | 1000 |
| Anthracene | ND | ug/Kg | 10 | 380 | 1300 |
| Benzo[a]anthracene | [1000] | ug/Kg | 10 | 340 | 1100 |
| Benzo[a]pyrene | [960] | ug/Kg | 10 | 340 | 1100 |
| Benzo[b]fluoranthene | 1500 | ug/Kg | 10 | 380 | 1300 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 10 | 330 | 1100 |
| Benzo[k]fluoranthene | [460] | ug/Kg | 10 | 380 | 1300 |
| Chrysene | [1100] | ug/Kg | 10 | 360 | 1200 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 10 | 340 | 1100 |
| Dibenzofuran | ND | ug/Kg | 10 | 320 | 1100 |
| Fluoranthene | 2100 | ug/Kg | 10 | 370 | 1200 |
| Fluorene | ND | ug/Kg | 10 | 320 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 10 | 310 | 1000 |
| 1-Methylnaphthalene | ND | ug/Kg | 10 | 320 | 1100 |
| 2-Methylnaphthalene | ND | ug/Kg | 10 | 310 | 1000 |
| 2-Methylphenol | ND | ug/Kg | 10 | 260 | 870 |
| 3 & 4-Methylphenol | ND | ug/Kg | 10 | 550 | 1900 |
| Naphthalene | ND | ug/Kg | 10 | 310 | 1000 |
| Phenanthrene | 1400 | ug/Kg | 10 | 370 | 1200 |
| Phenol | ND | ug/Kg | 10 | 280 | 940 |
| Pyrene | 2200 | ug/Kg | 10 | 360 | 1200 |
| Benzo[e]pyrene | [720] | ug/Kg | 10 | 380 | 1300 |
| 2-Fluorophenol (SURR**) | 68% | | | | |
| Phenol-d5 (SURR**) | 75% | | | | |
| Nitrobenzene-d5 (SURR**) | 74% | | | | |
| 2-Fluorobiphenyl (SURR**) | 84% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 73% | | | | |
| Terphenyl-d14 (SURR**) | 73% | | | | |

Diluted due to sample matrix in order to prevent further instrument contamination.

Reanalysis at a lower dilution is not possible due to sample matrix.

The internal standard Perylene-d12 area count recovered outside QC limits. Compound results associated may have a high bias.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90155**
**Project Description: Xcel RIFS 25688375**
**Project Title:** **Template: 8270SNSP Printed: 07/13/2005 12:52**

**Sample: 373657 Soil, NS-SOTP103-0-1** **Collected: 06/08/05** **Analyzed: 06/17/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 5 | 160 | 540 |
| Acenaphthylene | ND | ug/Kg | 5 | 150 | 510 |
| Anthracene | ND | ug/Kg | 5 | 190 | 640 |
| Benzo[a]anthracene | ND | ug/Kg | 5 | 170 | 570 |
| Benzo[a]pyrene | ND | ug/Kg | 5 | 170 | 570 |
| Benzo[b]fluoranthene | ND | ug/Kg | 5 | 190 | 630 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 5 | 160 | 540 |
| Benzo[k]fluoranthene | ND | ug/Kg | 5 | 190 | 640 |
| Chrysene | ND | ug/Kg | 5 | 180 | 590 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 5 | 170 | 570 |
| Dibenzofuran | ND | ug/Kg | 5 | 160 | 530 |
| Fluoranthene | ND | ug/Kg | 5 | 190 | 620 |
| Fluorene | ND | ug/Kg | 5 | 160 | 540 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 5 | 160 | 520 |
| 1-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 530 |
| 2-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 520 |
| 2-Methylphenol | ND | ug/Kg | 5 | 130 | 430 |
| 3 & 4-Methylphenol | ND | ug/Kg | 5 | 270 | 960 |
| Naphthalene | ND | ug/Kg | 5 | 150 | 510 |
| Phenanthrene | ND | ug/Kg | 5 | 180 | 610 |
| Phenol | ND | ug/Kg | 5 | 140 | 470 |
| Pyrene | ND | ug/Kg | 5 | 180 | 590 |
| Benzo[e]pyrene | ND | ug/Kg | 5 | 190 | 640 |
| 2-Fluorophenol (SURR**) | 72% | | | | |
| Phenol-d5 (SURR**) | 78% | | | | |
| Nitrobenzene-d5 (SURR**) | 73% | | | | |
| 2-Fluorobiphenyl (SURR**) | 83% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 81% | | | | |
| Terphenyl-d14 (SURR**) | 79% | | | | |

Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.
The internal standard Perylene-d12 area count recovered outside QC limits. Compound results associated may have a high bias.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90155**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 07/13/2005 12:52**

**Sample: 373658** **Soil, NS-SOTP107-0-1** **Collected: 06/08/05** **Analyzed: 06/17/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 5 | 160 | 540 |
| Acenaphthylene | ND | ug/Kg | 5 | 150 | 510 |
| Anthracene | ND | ug/Kg | 5 | 190 | 640 |
| Benzo[a]anthracene | ND | ug/Kg | 5 | 170 | 570 |
| Benzo[a]pyrene | ND | ug/Kg | 5 | 170 | 570 |
| Benzo[b]fluoranthene | ND | ug/Kg | 5 | 190 | 630 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 5 | 160 | 540 |
| Benzo[k]fluoranthene | ND | ug/Kg | 5 | 190 | 640 |
| Chrysene | ND | ug/Kg | 5 | 180 | 590 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 5 | 170 | 570 |
| Dibenzofuran | ND | ug/Kg | 5 | 160 | 530 |
| Fluoranthene | ND | ug/Kg | 5 | 190 | 620 |
| Fluorene | ND | ug/Kg | 5 | 160 | 540 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 5 | 160 | 520 |
| 1-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 530 |
| 2-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 520 |
| 2-Methylphenol | ND | ug/Kg | 5 | 130 | 430 |
| 3 & 4-Methylphenol | ND | ug/Kg | 5 | 270 | 960 |
| Naphthalene | ND | ug/Kg | 5 | 150 | 510 |
| Phenanthrene | ND | ug/Kg | 5 | 180 | 610 |
| Phenol | ND | ug/Kg | 5 | 140 | 470 |
| Pyrene | ND | ug/Kg | 5 | 180 | 590 |
| Benzo[e]pyrene | ND | ug/Kg | 5 | 190 | 640 |
| 2-Fluorophenol (SURR**) | 64% | | | | |
| Phenol-d5 (SURR**) | 74% | | | | |
| Nitrobenzene-d5 (SURR**) | 73% | | | | |
| 2-Fluorobiphenyl (SURR**) | 82% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 71% | | | | |
| Terphenyl-d14 (SURR**) | 76% | | | | |

Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.
The internal standard Perylene-d12 area count recovered outside QC limits. Compound results associated may have a high bias.

** *Surrogates are used to evaluate a method's Quality Control.*

# ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90155**
**Project Description: Xcel RIFS 25688375**
**Project Title:** **Template: SAT2SNSP** **Printed: 07/13/2005 12:52**

**Sample: 373651** **Soil, NS-SS14-(-1** **Collected: 06/07/05** **Analyzed: 06/10/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | [20] | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | 60 | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 55 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | [43] | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | [65] | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 94% | | | | |
| Toluene-d8 (SURR**) | 98% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 93% | | | | |

**Sample: 373652** **Soil, NS-SS21-(-1** **Collected: 06/07/05** **Analyzed: 06/10/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 94% | | | | |
| Toluene-d8 (SURR**) | 98% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 97% | | | | |

**Sample: 373653** **Soil, NS-SS12-(-1** **Collected: 06/07/05** **Analyzed: 06/10/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 96% | | | | |
| Toluene-d8 (SURR**) | 94% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 95% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90155**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 07/13/2005 12:52**

**Sample: 373654** **Soil, NS-SS13-0-1** **Collected: 06/07/05** **Analyzed: 06/10/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | [16] | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [29] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 99% | | | | |
| Toluene-d8 (SURR**) | 102% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 96% | | | | |

**Sample: 373655** **Soil, NS-SS11-0-1** **Collected: 06/08/05** **Analyzed: 06/10/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 95% | | | | |
| Toluene-d8 (SURR**) | 105% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 94% | | | | |

**Sample: 373656** **Soil, NS-SOTP104-0-1** **Collected: 06/08/05** **Analyzed: 06/10/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 96% | | | | |
| Toluene-d8 (SURR**) | 103% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 98% | | | | |

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90155**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: SAT2SNSP** **Printed: 07/13/2005 12:52**

**Sample: 373657** **Soil, NS-SOTP103-0-1** **Collected: 06/08/05** **Analyzed: 06/10/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [13] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 98% | | | | |
| Toluene-d8 (SURR**) | 102% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

**Sample: 373658** **Soil, NS-SOTP107-0-1** **Collected: 06/08/05** **Analyzed: 06/10/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 97% | | | | |
| Toluene-d8 (SURR**) | 101% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 93% | | | | |

**Sample: 373659** **NS- SQMeOH Bank - 1-0605** **Collected: 06/08/05** **Analyzed: 06/10/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 95% | | | | |
| Toluene-d8 (SURR**) | 99% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 94% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 90156
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375 Rinsate Blanks

**NS-SQ Equip Blank 1-0605 NLS ID: 373660**
Ref. Line 1 COC 80118(C) NS-SQ Equip Blank 1-0605 Matrix: GW
Collected: 06/08/05 14:00 Received: 06/09/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP-Trace | ND | mg/L | 1 | 0.010 | 0.020 | 07/05/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 07/05/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | ug/L | 1 | 1.6 | 5.6 | 07/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | ND | ug/L | 1 | 2.5* | 5.0 | 07/05/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/06/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/05/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | ND | mg/L | 1 | 0.15* | 0.30 | 07/05/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 06/09/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 07/11/05 | Calc. | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | [0.70] | ug/L | 1 | 0.45 | 1.4 | 07/05/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/05/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | [1.4] | ug/L | 1 | 1.3 | 4.0 | 07/05/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 06/21/05 | EPA 335.4 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 07/05/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 07/05/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | ND | mg/L | 1 | 0.15* | 0.30 | 07/05/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | ND | ug/L | 1 | 1.0* | 2.0 | 07/05/05 | SW846 6010 | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/20/05 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | ND | ug/L | 1 | 0.71 | 2.3 | 07/05/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | ND | mg/L | 1 | 0.36 | 1.3 | 07/08/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 07/01/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/05/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | [0.083] | mg/L | 1 | 0.033 | 0.12 | 07/08/05 | SW846 6010 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 07/05/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/05/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 07/05/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 06/29/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 06/29/05 | SW846 3050M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/17/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 06/15/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/22/05 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RIFS/25688375 Rinsate Blanks

NLS Project: 90156
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**NS-SQ Equip Blank 2-0605 NLS ID: 374032**

Ref. Line 5 COC 80122(C) NS-SQ Equip Blank 2-0605 Matrix: GW
Collected: 06/09/05 13:30 Received: 06/10/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP-Trace | ND | mg/L | 1 | 0.010 | 0.020 | 07/05/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 07/05/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | ug/L | 1 | 1.6 | 5.6 | 07/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | ND | ug/L | 1 | 2.5* | 5.0 | 07/05/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/06/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/05/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | ND | mg/L | 1 | 0.15* | 0.30 | 07/05/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 06/10/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 07/11/05 | Calc. | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | [0.83] | ug/L | 1 | 0.45 | 1.4 | 07/05/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/05/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 07/05/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 06/21/05 | EPA 335.4 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 07/05/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 07/05/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | ND | mg/L | 1 | 0.15* | 0.30 | 07/05/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | ND | ug/L | 1 | 1.0* | 2.0 | 07/05/05 | SW846 6010 | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/20/05 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | ND | ug/L | 1 | 0.71 | 2.3 | 07/05/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | ND | mg/L | 1 | 0.36 | 1.3 | 07/08/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 07/01/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/05/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | [0.066] | mg/L | 1 | 0.033 | 0.12 | 07/08/05 | SW846 6010 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 07/05/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/05/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | [5.7] | ug/L | 1 | 5.0* | 10 | 07/05/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 06/29/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 06/29/05 | SW846 3050M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/17/05 | SW846 8260 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 90156
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375 Rinsate Blanks

**NS-SQ Equip Blank 3-0605 NLS ID: 374539**
Ref. Line 4 COC 73785(C) NS-SQ Equip Blank 3-0605 Matrix: GW
Collected: 06/14/05 13:15 Received: 06/15/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP-Trace | ND | mg/L | 1 | 0.010 | 0.020 | 07/05/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 07/05/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | ug/L | 1 | 1.6 | 5.6 | 07/10/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | ND | ug/L | 1 | 2.5* | 5.0 | 07/05/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/06/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/05/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | ND | mg/L | 1 | 0.15* | 0.30 | 07/05/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 06/15/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 07/11/05 | Calc. | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | ND | ug/L | 1 | 0.45 | 1.4 | 07/05/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/05/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 07/05/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 06/21/05 | EPA 335.4 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 07/05/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 07/05/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | ND | mg/L | 1 | 0.15* | 0.30 | 07/05/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | [1.5] | ug/L | 1 | 1.0* | 2.0 | 07/05/05 | SW846 6010 | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/20/05 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | ND | ug/L | 1 | 0.71 | 2.3 | 07/05/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | ND | mg/L | 1 | 0.36 | 1.3 | 07/08/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 07/01/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/05/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | [0.082] | mg/L | 1 | 0.033 | 0.12 | 07/08/05 | SW846 6010 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 07/05/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/05/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | 32 | ug/L | 1 | 5.0* | 10 | 07/05/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 06/29/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 06/29/05 | SW846 3050M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/17/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 06/15/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/24/05 | SW846 8270C | 721026460 |

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90156**
**Project Description: Xcel RIFS/25688375**
**Project Title: Rinsate Blanks** **Template: 8270WNSP** **Printed: 07/19/2005 14:42**

**Sample: 373660** **NS-SQ Equip Blank 1-0605** **Collected: 06/08/05** **Analyzed: 06/22/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| 2-Fluorophenol (SURR**) | 44% | | | | |
| Phenol-d5 (SURR**) | 27% | | | | |
| Nitrobenzene-d5 (SURR**) | 75% | | | | |
| 2-Fluorobiphenyl (SURR**) | 78% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 89% | | | | |
| Terphenyl-d14 (SURR**) | 92% | | | | |

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90156**
**Project Description: Xcel RIFS/25688375**
**Project Title: Rinsate Blanks** **Template: 8270WNSP Printed: 07/19/2005 14:42**

**Sample: 374539** **NS-SQ Equip Blank 3-0605** **Collected: 06/14/05** **Analyzed: 06/24/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| 2-Fluorophenol (SURR**) | 42% | | | | |
| Phenol-d5 (SURR**) | 28% | | | | |
| Nitrobenzene-d5 (SURR**) | 75% | | | | |
| 2-Fluorobiphenyl (SURR**) | 78% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 87% | | | | |
| Terphenyl-d14 (SURR**) | 163% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

# ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90156**
**Project Description: Xcel RIFS/25688375**
**Project Title: Rinsate Blanks** **Template: SAT2NSP** **Printed: 07/19/2005 14:42**

**Sample: 373660** **NS-SQ Equip Blank 1-0605** **Collected: 06/08/05** **Analyzed: 06/17/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | ND | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 93% | | | | |
| Toluene-d8 (SURR**) | 97% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 97% | | | | |

**Sample: 374032** **NS-SQ Equip Blank 2-0605** **Collected: 06/09/05** **Analyzed: 06/17/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | ND | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 79% | | | | |
| Toluene-d8 (SURR**) | 78% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 76% | | | | |

**Sample: 374539** **NS-SQ Equip Blank 3-0605** **Collected: 06/14/05** **Analyzed: 06/17/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | ND | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 94% | | | | |
| Toluene-d8 (SURR**) | 93% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 95% | | | | |

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90156**
**Project Description: Xcel RIFS 25688375**
**Project Title: Rinsate Blanks** **Template: SAT2NSP Printed: 07/19/2005 14:42**

** Surrogates are used to evaluate a method's Quality Control.

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RIFS/25688375

NLS Project: 90205
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**Soil, NS-SOTP100-0-1 NLS ID: 374033**
Ref. Line 1 COC 80119 Soil, NS-SOTP100-0-1 Matrix: SO
Collected: 06/08/05 15:45 Received: 06/10/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 7000 | mg/Kg DWB | 1 | 7.3 | 27 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 5.1 | 07/07/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.6] | mg/Kg DWB | 20 | 1.1 | 4.0 | 07/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 47 | mg/Kg DWB | 1 | 0.17 | 0.35 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 8.3 | mg/Kg DWB | 5 | 0.17 | 0.61 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.26 | 0.94 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 9700 | mg/Kg DWB | 10 | 52 | 100 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 17 | mg/Kg DWB | 1 | 0.52* | 1.8 | 07/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.16* | | 06/14/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 17 | mg/Kg DWB | 1 | 0.52 | 1.8 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.9 | mg/Kg DWB | 1 | 0.49 | 1.7 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 25 | mg/Kg DWB | 1 | 0.21 | 0.77 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.33 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 18000 | mg/Kg DWB | 10 | 9.7 | 36 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 28 | mg/Kg DWB | 1 | 5.6 | 21 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 4300 | mg/Kg DWB | 10 | 52 | 100 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 280 | mg/Kg DWB | 1 | 0.11 | 0.35 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.088 | 0.31 | 06/20/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 14 | mg/Kg DWB | 1 | 1.2 | 4.4 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 770 | mg/Kg DWB | 1 | 13 | 46 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.6 | 06/27/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.50 | 1.8 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 100 | mg/Kg DWB | 1 | 1.1 | 4.2 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 90.2 | % | 1 | 0.10* | | 06/13/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.7 | 6.0 | 07/06/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 34 | mg/Kg DWB | 1 | 0.30 | 1.1 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 50 | mg/Kg DWB | 1 | 0.23 | 0.70 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/23/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/15/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/11/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/18/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/14/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 90205
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOTP101-0-1 NLS ID: 374034**
Ref. Line 2 COC 80119 Soil, NS-SOTP101-0-1 Matrix: SO
Collected: 06/08/05 16:20 Received: 06/10/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 14000 | mg/Kg DWB | 1 | 11 | 40 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.7 | 6.1 | 07/07/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.8 | 07/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 420 | mg/Kg DWB | 1 | 0.26 | 0.52 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 2.8 | mg/Kg DWB | 5 | 0.26 | 0.90 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | 12 | mg/Kg DWB | 1 | 0.38 | 1.4 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 9300 | mg/Kg DWB | 10 | 77 | 150 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 29 | mg/Kg DWB | 1 | 0.77* | 2.7 | 07/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.24 | mg/Kg DWB | 2 | 0.23* | | 06/14/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 29 | mg/Kg DWB | 1 | 0.77 | 2.7 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 12 | mg/Kg DWB | 1 | 0.72 | 2.5 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 120 | mg/Kg DWB | 1 | 0.30 | 1.1 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 0.66 | mg/Kg DWB | 1 | 0.16 | 0.47 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 30000 | mg/Kg DWB | 10 | 14 | 54 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 950 | mg/Kg DWB | 1 | 8.3 | 30 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 2800 | mg/Kg DWB | 10 | 77 | 150 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 280 | mg/Kg DWB | 1 | 0.17 | 0.52 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | [0.18] | mg/Kg DWB | 1 | 0.083 | 0.29 | 06/20/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 33 | mg/Kg DWB | 1 | 1.8 | 6.5 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 890 | mg/Kg DWB | 1 | 19 | 68 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | [2.1] | mg/Kg DWB | 20 | 1.6 | 5.5 | 06/27/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.75 | 2.7 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 420 | mg/Kg DWB | 1 | 1.7 | 6.2 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 63.7 | % | 1 | 0.10* | | 06/13/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 2.0 | 7.2 | 07/06/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 63 | mg/Kg DWB | 1 | 0.45 | 1.6 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 4100 | mg/Kg DWB | 10 | 3.5 | 10 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/23/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/15/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/11/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/18/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/14/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RIFS/25688375

NLS Project: 90205
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**Soil, NS-SOTP106-0-1 NLS ID: 374035**
Ref. Line 3 COC 80119 Soil, NS-SOTP106-0-1 Matrix: SO
Collected: 06/08/05 16:45 Received: 06/10/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 7700 | mg/Kg DWB | 1 | 6.9 | 26 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.6 | 07/07/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.3] | mg/Kg DWB | 20 | 1.0 | 3.7 | 07/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 62 | mg/Kg DWB | 1 | 0.16 | 0.33 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.75] | mg/Kg DWB | 10 | 0.33 | 1.1 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.24 | 0.88 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 9800 | mg/Kg DWB | 10 | 49 | 98 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 29 | mg/Kg DWB | 1 | 0.49* | 1.7 | 07/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.35 | mg/Kg DWB | 2 | 0.17* | | 06/14/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 29 | mg/Kg DWB | 1 | 0.49 | 1.7 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 8.0 | mg/Kg DWB | 1 | 0.46 | 1.6 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 25 | mg/Kg DWB | 1 | 0.19 | 0.72 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.34 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 40000 | mg/Kg DWB | 10 | 9.2 | 34 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 56 | mg/Kg DWB | 1 | 5.3 | 19 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 5400 | mg/Kg DWB | 10 | 49 | 98 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 270 | mg/Kg DWB | 1 | 0.11 | 0.33 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.073 | 0.26 | 06/20/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 20 | mg/Kg DWB | 1 | 1.1 | 4.2 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 940 | mg/Kg DWB | 1 | 12 | 43 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 40 | 2.4 | 8.4 | 06/27/05 | SW846 7740 | 721026460 |
| | Sample required a dilution to overcome negative interference encountered during analysis. | | | | | | | |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.47 | 1.7 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 92 | mg/Kg DWB | 1 | 1.1 | 3.9 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 87.0 | % | 1 | 0.10* | | 06/13/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.5 | 07/06/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 37 | mg/Kg DWB | 1 | 0.28 | 1.0 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 64 | mg/Kg DWB | 1 | 0.22 | 0.65 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/23/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/15/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/11/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/18/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/14/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 90205
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOTP108-0-1 NLS ID: 374036**
Ref. Line 4 COC 80119 Soil, NS-SOTP108-0-1 Matrix: SO
Collected: 06/08/05 17:10 Received: 06/10/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 7500 | mg/Kg DWB | 1 | 8.1 | 30 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.9 | 6.7 | 07/07/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [4.1] | mg/Kg DWB | 20 | 1.5 | 5.3 | 07/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 110 | mg/Kg DWB | 1 | 0.19 | 0.39 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.68] | mg/Kg DWB | 5 | 0.19 | 0.68 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.29 | 1.0 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 16000 | mg/Kg DWB | 10 | 58 | 120 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 26 | mg/Kg DWB | 1 | 0.58* | 2.1 | 07/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.22* | | 06/14/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 26 | mg/Kg DWB | 1 | 0.58 | 2.1 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.9 | mg/Kg DWB | 1 | 0.54 | 1.9 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 71 | mg/Kg DWB | 1 | 0.23 | 0.85 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 1.4 | mg/Kg DWB | 1 | 0.15 | 0.46 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 20000 | mg/Kg DWB | 10 | 11 | 40 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 170 | mg/Kg DWB | 1 | 6.3 | 23 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 5700 | mg/Kg DWB | 10 | 58 | 120 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 280 | mg/Kg DWB | 1 | 0.13 | 0.39 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | [0.13] | mg/Kg DWB | 1 | 0.081 | 0.29 | 06/20/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 18 | mg/Kg DWB | 1 | 1.4 | 4.9 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 870 | mg/Kg DWB | 1 | 14 | 51 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.8 | 6.1 | 06/27/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | [1.0] | mg/Kg DWB | 1 | 0.56 | 2.0 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 240 | mg/Kg DWB | 1 | 1.3 | 4.7 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 64.8 | % | 1 | 0.10* | | 06/13/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | [2.4] | mg/Kg DWB | 20 | 2.2 | 7.9 | 07/06/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 31 | mg/Kg DWB | 1 | 0.34 | 1.2 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 250 | mg/Kg DWB | 1 | 0.26 | 0.78 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/23/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/15/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/11/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/18/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/14/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 90205**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

**Soil, NS-SOTP109-0-1 NLS ID: 374037**
Ref. Line 5 COC 80119 Soil, NS-SOTP109-0-1 Matrix: SO
Collected: 06/08/05 17:15 Received: 06/10/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 8000 | mg/Kg DWB | 1 | 7.4 | 27 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.2 | 07/07/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.8] | mg/Kg DWB | 20 | 1.2 | 4.1 | 07/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 130 | mg/Kg DWB | 1 | 0 18 | 0.35 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.62] | mg/Kg DWB | 5 | 0.18 | 0.62 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | [0.34] | mg/Kg DWB | 1 | 0.26 | 0.95 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 13000 | mg/Kg DWB | 10 | 53 | 110 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 18 | mg/Kg DWB | 1 | 0.53* | 1.9 | 07/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.16* | | 06/14/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 18 | mg/Kg DWB | 1 | 0.53 | 1.9 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.4 | mg/Kg DWB | 1 | 0.49 | 1.7 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 35 | mg/Kg DWB | 1 | 0.21 | 0.77 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.21] | mg/Kg DWB | 1 | 0.11 | 0.34 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 18000 | mg/Kg DWB | 10 | 9.8 | 37 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 180 | mg/Kg DWB | 1 | 5.7 | 21 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 5900 | mg/Kg DWB | 10 | 53 | 110 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 320 | mg/Kg DWB | 1 | 0.12 | 0.35 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | [0.17] | mg/Kg DWB | 1 | 0.073 | 0.26 | 06/20/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 16 | mg/Kg DWB | 1 | 1.2 | 4.5 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1100 | mg/Kg DWB | 1 | 13 | 46 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.4 | 4.7 | 06/27/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.51 | 1.8 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 110 | mg/Kg DWB | 1 | 1.2 | 4.2 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 86.9 | % | 1 | 0.10* | | 06/13/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.7 | 6.1 | 07/06/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 32 | mg/Kg DWB | 1 | 0.31 | 1.1 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 160 | mg/Kg DWB | 1 | 0.24 | 0.70 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/23/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/15/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/11/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/18/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/14/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 90205
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOTP110-0-1 NLS ID: 374038**
Ref. Line 6 COC 80119 Soil, NS-SOTP110-0-1 Matrix: SO
Collected: 06/08/05 17:30 Received: 06/10/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 4300 | mg/Kg DWB | 1 | 7.1 | 26 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.4 | 07/07/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [3.2] | mg/Kg DWB | 20 | 1.2 | 4.3 | 07/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 100 | mg/Kg DWB | 1 | 0.17 | 0.34 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | ND | mg/Kg DWB | 100 | 3.4 | 12 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.25 | 0.91 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 3700 | mg/Kg DWB | 10 | 50 | 100 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 16 | mg/Kg DWB | 1 | 0.50* | 1.8 | 07/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.24 | mg/Kg DWB | 2 | 0.17* | | 06/14/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 16 | mg/Kg DWB | 1 | 0.50 | 1.8 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.0 | mg/Kg DWB | 1 | 0.47 | 1.6 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 30 | mg/Kg DWB | 1 | 0.20 | 0.74 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.16] | mg/Kg DWB | 1 | 0.12 | 0.35 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 94000 | mg/Kg DWB | 100 | 94 | 350 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 82 | mg/Kg DWB | 1 | 5.5 | 20 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 2100 | mg/Kg DWB | 10 | 50 | 100 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 270 | mg/Kg DWB | 1 | 0.11 | 0.34 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | [0.17] | mg/Kg DWB | 1 | 0.075 | 0.27 | 06/20/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 13 | mg/Kg DWB | 1 | 1.2 | 4.3 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 640 | mg/Kg DWB | 1 | 12 | 44 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | [1.4] | mg/Kg DWB | 20 | 1.4 | 4.9 | 06/27/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.49 | 1.7 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 52 | mg/Kg DWB | 1 | 1.1 | 4.0 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 84.1 | % | 1 | 0.10* | | 06/13/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.8 | 6.4 | 07/06/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 21 | mg/Kg DWB | 1 | 0.29 | 1.1 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 100 | mg/Kg DWB | 1 | 0.23 | 0.67 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/23/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/15/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/11/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/18/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/14/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Project:** **Xcel RIFS/25688375**

**NLS Project: 90205**
**NLS Customer: 91206**

**Fax: 414 831 4101 Phone: 414 831 4100**

**Soil, NS-SS19-0-1 NLS ID: 374039**
Ref. Line 7 COC 80119 Soil, NS-SS19-0-1 Matrix: SO
Collected: 06/08/05 17:50 Received: 06/10/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 12000 | mg/Kg DWB | 1 | 7.9 | 29 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.3 | 07/07/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 8.5 | mg/Kg DWB | 20 | 1.2 | 4.2 | 07/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 83 | mg/Kg DWB | 1 | 0.19 | 0.38 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.88 | mg/Kg DWB | 5 | 0.19 | 0.66 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | [0.36] | mg/Kg DWB | 1 | 0.28 | 1.0 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 11000 | mg/Kg DWB | 10 | 56 | 110 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 25 | mg/Kg DWB | 1 | 0.56* | 2.0 | 07/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.17 | mg/Kg DWB | 2 | 0.17* | | 06/14/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 25 | mg/Kg DWB | 1 | 0.56 | 2.0 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 8.5 | mg/Kg DWB | 1 | 0.53 | 1.8 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 17 | mg/Kg DWB | 1 | 0.22 | 0.83 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.36 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 21000 | mg/Kg DWB | 10 | 11 | 39 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 40 | mg/Kg DWB | 1 | 6.1 | 22 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 6600 | mg/Kg DWB | 10 | 56 | 110 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 310 | mg/Kg DWB | 1 | 0.12 | 0.38 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | [0.083] | mg/Kg DWB | 1 | 0.075 | 0.27 | 06/20/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 18 | mg/Kg DWB | 1 | 1.3 | 4.8 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1500 | mg/Kg DWB | 1 | 14 | 49 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.4 | 4.8 | 06/27/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.54 | 2.0 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 110 | mg/Kg DWB | 1 | 1.2 | 4.5 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 84.3 | % | 1 | 0.10* | | 06/13/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.8 | 6.3 | 07/06/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 39 | mg/Kg DWB | 1 | 0.33 | 1.2 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 120 | mg/Kg DWB | 1 | 0.25 | 0.75 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/23/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/15/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/11/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/18/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/14/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RIFS/25688375

NLS Project: 90205
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**Soil, NS-SS20-0-1 NLS ID: 374040**
Ref. Line 8 COC 80119 Soil, NS-SS20-0-1 Matrix: SO
Collected: 06/08/05 18:00 Received: 06/10/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 13000 | mg/Kg DWB | 1 | 7.5 | 28 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [1.9] | mg/Kg DWB | 20 | 1.4 | 5.0 | 07/07/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.9] | mg/Kg DWB | 20 | 1.1 | 3.9 | 07/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 77 | mg/Kg DWB | 1 | 0.18 | 0.36 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.80 | mg/Kg DWB | 5 | 0.18 | 0.63 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.26 | 0.97 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 14000 | mg/Kg DWB | 10 | 54 | 110 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 26 | mg/Kg DWB | 1 | 0.54* | 1.9 | 07/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.18 | mg/Kg DWB | 2 | 0.17* | | 06/14/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 26 | mg/Kg DWB | 1 | 0.54 | 1.9 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 8.3 | mg/Kg DWB | 1 | 0.50 | 1.8 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 18 | mg/Kg DWB | 1 | 0.21 | 0.79 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.36 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 23000 | mg/Kg DWB | 10 | 10 | 37 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 25 | mg/Kg DWB | 1 | 5.8 | 21 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 7700 | mg/Kg DWB | 10 | 54 | 110 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 300 | mg/Kg DWB | 1 | 0.12 | 0.36 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.076 | 0.27 | 06/20/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 19 | mg/Kg DWB | 1 | 1.3 | 4.5 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1400 | mg/Kg DWB | 1 | 13 | 47 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.5 | 06/27/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.52 | 1.9 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 160 | mg/Kg DWB | 1 | 1.2 | 4.3 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 83.1 | % | 1 | 0.10* | | 06/13/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.7 | 5.9 | 07/06/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 35 | mg/Kg DWB | 1 | 0.31 | 1.1 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 53 | mg/Kg DWB | 1 | 0.24 | 0.71 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/23/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/15/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/11/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/18/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/14/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 90205
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SS15-0-1 NLS ID: 374041**
Ref. Line 9 COC 80119 Soil, NS-SS15-0-1 Matrix: SO
Collected: 06/08/05 18:10 Received: 06/10/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 8000 | mg/Kg DWB | 1 | 7.0 | 26 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [1.8] | mg/Kg DWB | 20 | 1.6 | 5.7 | 07/07/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [3.5] | mg/Kg DWB | 20 | 1.3 | 4.5 | 07/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 63 | mg/Kg DWB | 1 | 0.17 | 0.33 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.78 | mg/Kg DWB | 5 | 0.17 | 0.58 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.25 | 0.90 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 17000 | mg/Kg DWB | 10 | 50 | 100 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 17 | mg/Kg DWB | 1 | 0.50* | 1.8 | 07/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.17* | | 06/14/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 17 | mg/Kg DWB | 1 | 0.50 | 1.8 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.2 | mg/Kg DWB | 1 | 0.46 | 1.6 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 17 | mg/Kg DWB | 1 | 0.20 | 0.73 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.34 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 17000 | mg/Kg DWB | 10 | 9.3 | 35 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 34 | mg/Kg DWB | 1 | 5.4 | 20 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 7100 | mg/Kg DWB | 10 | 50 | 100 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 260 | mg/Kg DWB | 1 | 0.11 | 0.33 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.073 | 0.26 | 06/20/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 14 | mg/Kg DWB | 1 | 1.2 | 4.2 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1400 | mg/Kg DWB | 1 | 12 | 43 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.5 | 5.2 | 06/27/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.48 | 1.7 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 140 | mg/Kg DWB | 1 | 1.1 | 4.0 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 86.6 | % | 1 | 0.10* | | 06/13/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.9 | 6.8 | 07/06/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 29 | mg/Kg DWB | 1 | 0.29 | 1.1 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 55 | mg/Kg DWB | 1 | 0.22 | 0.66 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/23/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/15/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/11/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/18/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/14/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 90205
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SS17-0-1 NLS ID: 374042**
Ref. Line 10 COC 80119 Soil, NS-SS17-0-1 Matrix: SO
Collected: 06/08/05 18:20 Received: 06/10/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 9000 | mg/Kg DWB | 1 | 6.3 | 23 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.2 | 07/07/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.3] | mg/Kg DWB | 20 | 0.95 | 3.4 | 07/11/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 62 | mg/Kg DWB | 1 | 0.15 | 0.30 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.31] | mg/Kg DWB | 5 | 0.15 | 0.52 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.22 | 0.81 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 3700 | mg/Kg DWB | 10 | 45 | 90 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 19 | mg/Kg DWB | 1 | 0.45* | 1.6 | 07/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.16* | | 06/14/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 19 | mg/Kg DWB | 1 | 0.45 | 1.6 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 9.3 | mg/Kg DWB | 1 | 0.42 | 1.5 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 21 | mg/Kg DWB | 1 | 0.18 | 0.66 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 0.67 | mg/Kg DWB | 1 | 0.11 | 0.32 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 19000 | mg/Kg DWB | 10 | 8.4 | 31 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 22 | mg/Kg DWB | 1 | 4.8 | 18 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 3700 | mg/Kg DWB | 10 | 45 | 90 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 480 | mg/Kg DWB | 1 | 0.099 | 0.30 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.085 | 0.30 | 06/20/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 18 | mg/Kg DWB | 1 | 1.0 | 3.8 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 990 | mg/Kg DWB | 1 | 11 | 39 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.1 | 3.8 | 06/27/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.43 | 1.6 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 120 | mg/Kg DWB | 1 | 0.99 | 3.6 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 92.7 | % | 1 | 0.10* | | 06/13/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 5.0 | 07/06/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 50 | mg/Kg DWB | 1 | 0.26 | 0.96 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 64 | mg/Kg DWB | 1 | 0.20 | 0.60 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/23/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/15/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/11/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/18/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/14/05 | SW846 3550B | 721026460 |

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

# ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90205**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 07/13/2005 12:53**

**Sample: 374033** **Soil, NS-SOTP100-0-1** **Collected: 06/08/05** **Analyzed: 06/18/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 10 | 320 | 1100 |
| Acenaphthylene | ND | ug/Kg | 10 | 310 | 1000 |
| Anthracene | ND | ug/Kg | 10 | 380 | 1300 |
| Benzo[a]anthracene | [420] | ug/Kg | 10 | 340 | 1100 |
| Benzo[a]pyrene | [470] | ug/Kg | 10 | 340 | 1100 |
| Benzo[b]fluoranthene | [560] | ug/Kg | 10 | 380 | 1300 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 10 | 330 | 1100 |
| Benzo[k]fluoranthene | ND | ug/Kg | 10 | 380 | 1300 |
| Chrysene | ND | ug/Kg | 10 | 360 | 1200 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 10 | 340 | 1100 |
| Dibenzofuran | ND | ug/Kg | 10 | 320 | 1100 |
| Fluoranthene | [780] | ug/Kg | 10 | 370 | 1200 |
| Fluorene | ND | ug/Kg | 10 | 320 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 10 | 310 | 1000 |
| 1-Methylnaphthalene | ND | ug/Kg | 10 | 320 | 1100 |
| 2-Methylnaphthalene | ND | ug/Kg | 10 | 310 | 1000 |
| 2-Methylphenol | ND | ug/Kg | 10 | 260 | 870 |
| 3 & 4-Methylphenol | ND | ug/Kg | 10 | 550 | 1900 |
| Naphthalene | ND | ug/Kg | 10 | 310 | 1000 |
| Phenanthrene | [410] | ug/Kg | 10 | 370 | 1200 |
| Phenol | ND | ug/Kg | 10 | 280 | 940 |
| Pyrene | [730] | ug/Kg | 10 | 360 | 1200 |
| Benzo[e]pyrene | ND | ug/Kg | 10 | 380 | 1300 |
| 2-Fluorophenol (SURR**) | 77% | | | | |
| Phenol-d5 (SURR**) | 84% | | | | |
| Nitrobenzene-d5 (SURR**) | 79% | | | | |
| 2-Fluorobiphenyl (SURR**) | 93% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 85% | | | | |
| Terphenyl-d14 (SURR**) | 97% | | | | |

Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90205**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/13/2005 12:53**

**Sample: 374034** **Soil, NS-SOTP101-0-1** **Collected: 06/08/05** **Analyzed: 06/18/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 10 | 320 | 1100 |
| Acenaphthylene | ND | ug/Kg | 10 | 310 | 1000 |
| Anthracene | ND | ug/Kg | 10 | 380 | 1300 |
| Benzo[a]anthracene | [570] | ug/Kg | 10 | 340 | 1100 |
| Benzo[a]pyrene | [770] | ug/Kg | 10 | 340 | 1100 |
| Benzo[b]fluoranthene | [1100] | ug/Kg | 10 | 380 | 1300 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 10 | 330 | 1100 |
| Benzo[k]fluoranthene | ND | ug/Kg | 10 | 380 | 1300 |
| Chrysene | [690] | ug/Kg | 10 | 360 | 1200 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 10 | 340 | 1100 |
| Dibenzofuran | ND | ug/Kg | 10 | 320 | 1100 |
| Fluoranthene | [710] | ug/Kg | 10 | 370 | 1200 |
| Fluorene | ND | ug/Kg | 10 | 320 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 10 | 310 | 1000 |
| 1-Methylnaphthalene | ND | ug/Kg | 10 | 320 | 1100 |
| 2-Methylnaphthalene | ND | ug/Kg | 10 | 310 | 1000 |
| 2-Methylphenol | ND | ug/Kg | 10 | 260 | 870 |
| 3 & 4-Methylphenol | ND | ug/Kg | 10 | 550 | 1900 |
| Naphthalene | ND | ug/Kg | 10 | 310 | 1000 |
| Phenanthrene | ND | ug/Kg | 10 | 370 | 1200 |
| Phenol | ND | ug/Kg | 10 | 280 | 940 |
| Pyrene | [890] | ug/Kg | 10 | 360 | 1200 |
| Benzo[e]pyrene | [750] | ug/Kg | 10 | 380 | 1300 |
| 2-Fluorophenol (SURR**) | 59% | | | | |
| Phenol-d5 (SURR**) | 68% | | | | |
| Nitrobenzene-d5 (SURR**) | 67% | | | | |
| 2-Fluorobiphenyl (SURR**) | 77% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 75% | | | | |
| Terphenyl-d14 (SURR**) | 90% | | | | |

Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90205**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 07/13/2005 12:53**

**Sample: 374035** **Soil, NS-SOTP106-0-1** **Collected: 06/08/05** **Analyzed: 06/18/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 65% | | | | |
| Phenol-d5 (SURR**) | 67% | | | | |
| Nitrobenzene-d5 (SURR**) | 68% | | | | |
| 2-Fluorobiphenyl (SURR**) | 74% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 87% | | | | |
| Terphenyl-d14 (SURR**) | 89% | | | | |

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90205**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 07/13/2005 12:53**

**Sample: 374036** **Soil, NS-SOTP108-0-1** **Collected: 06/08/05** **Analyzed: 06/18/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 10 | 320 | 1100 |
| Acenaphthylene | ND | ug/Kg | 10 | 310 | 1000 |
| Anthracene | ND | ug/Kg | 10 | 380 | 1300 |
| Benzo[a]anthracene | [660] | ug/Kg | 10 | 340 | 1100 |
| Benzo[a]pyrene | [760] | ug/Kg | 10 | 340 | 1100 |
| Benzo[b]fluoranthene | [1200] | ug/Kg | 10 | 380 | 1300 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 10 | 330 | 1100 |
| Benzo[k]fluoranthene | ND | ug/Kg | 10 | 380 | 1300 |
| Chrysene | [800] | ug/Kg | 10 | 360 | 1200 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 10 | 340 | 1100 |
| Dibenzofuran | ND | ug/Kg | 10 | 320 | 1100 |
| Fluoranthene | 1500 | ug/Kg | 10 | 370 | 1200 |
| Fluorene | ND | ug/Kg | 10 | 320 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 10 | 310 | 1000 |
| 1-Methylnaphthalene | ND | ug/Kg | 10 | 320 | 1100 |
| 2-Methylnaphthalene | ND | ug/Kg | 10 | 310 | 1000 |
| 2-Methylphenol | ND | ug/Kg | 10 | 260 | 870 |
| 3 & 4-Methylphenol | ND | ug/Kg | 10 | 550 | 1900 |
| Naphthalene | ND | ug/Kg | 10 | 310 | 1000 |
| Phenanthrene | [890] | ug/Kg | 10 | 370 | 1200 |
| Phenol | ND | ug/Kg | 10 | 280 | 940 |
| Pyrene | 1400 | ug/Kg | 10 | 360 | 1200 |
| Benzo[e]pyrene | [650] | ug/Kg | 10 | 380 | 1300 |
| 2-Fluorophenol (SURR**) | 63% | | | | |
| Phenol-d5 (SURR**) | 68% | | | | |
| Nitrobenzene-d5 (SURR**) | 66% | | | | |
| 2-Fluorobiphenyl (SURR**) | 70% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 67% | | | | |
| Terphenyl-d14 (SURR**) | 83% | | | | |

Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.
The internal standard Perylene-d12 area count recovered outside QC limits. Compound results associated may have a high bias.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90205**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/13/2005 12:53**

**Sample: 374037** **Soil, NS-SOTP109-0-1** **Collected: 06/08/05** **Analyzed: 06/18/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 10 | 320 | 1100 |
| Acenaphthylene | ND | ug/Kg | 10 | 310 | 1000 |
| Anthracene | ND | ug/Kg | 10 | 380 | 1300 |
| Benzo[a]anthracene | [510] | ug/Kg | 10 | 340 | 1100 |
| Benzo[a]pyrene | [540] | ug/Kg | 10 | 340 | 1100 |
| Benzo[b]fluoranthene | [720] | ug/Kg | 10 | 380 | 1300 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 10 | 330 | 1100 |
| Benzo[k]fluoranthene | ND | ug/Kg | 10 | 380 | 1300 |
| Chrysene | [540] | ug/Kg | 10 | 360 | 1200 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 10 | 340 | 1100 |
| Dibenzofuran | ND | ug/Kg | 10 | 320 | 1100 |
| Fluoranthene | [1000] | ug/Kg | 10 | 370 | 1200 |
| Fluorene | ND | ug/Kg | 10 | 320 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 10 | 310 | 1000 |
| 1-Methylnaphthalene | ND | ug/Kg | 10 | 320 | 1100 |
| 2-Methylnaphthalene | ND | ug/Kg | 10 | 310 | 1000 |
| 2-Methylphenol | ND | ug/Kg | 10 | 260 | 870 |
| 3 & 4-Methylphenol | ND | ug/Kg | 10 | 550 | 1900 |
| Naphthalene | ND | ug/Kg | 10 | 310 | 1000 |
| Phenanthrene | [640] | ug/Kg | 10 | 370 | 1200 |
| Phenol | ND | ug/Kg | 10 | 280 | 940 |
| Pyrene | [1100] | ug/Kg | 10 | 360 | 1200 |
| Benzo[e]pyrene | ND | ug/Kg | 10 | 380 | 1300 |
| 2-Fluorophenol (SURR**) | 62% | | | | |
| Phenol-d5 (SURR**) | 72% | | | | |
| Nitrobenzene-d5 (SURR**) | 72% | | | | |
| 2-Fluorobiphenyl (SURR**) | 84% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 74% | | | | |
| Terphenyl-d14 (SURR**) | 92% | | | | |

Diluted due to sample matrix in order to prevent further instrument contamination.

Reanalysis at a lower dilution is not possible due to sample matrix.

The internal standard Perylene-d12 area count recovered outside QC limits. Compound results associated may have a high bias.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90205**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP Printed: 07/13/2005 12:53**

**Sample: 374038 Soil, NS-SOTP110-0-1** **Collected: 06/08/05** **Analyzed: 06/18/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 5 | 160 | 540 |
| Acenaphthylene | ND | ug/Kg | 5 | 150 | 510 |
| Anthracene | ND | ug/Kg | 5 | 190 | 640 |
| Benzo[a]anthracene | ND | ug/Kg | 5 | 170 | 570 |
| Benzo[a]pyrene | ND | ug/Kg | 5 | 170 | 570 |
| Benzo[b]fluoranthene | ND | ug/Kg | 5 | 190 | 630 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 5 | 160 | 540 |
| Benzo[k]fluoranthene | ND | ug/Kg | 5 | 190 | 640 |
| Chrysene | ND | ug/Kg | 5 | 180 | 590 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 5 | 170 | 570 |
| Dibenzofuran | ND | ug/Kg | 5 | 160 | 530 |
| Fluoranthene | ND | ug/Kg | 5 | 190 | 620 |
| Fluorene | ND | ug/Kg | 5 | 160 | 540 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 5 | 160 | 520 |
| 1-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 530 |
| 2-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 520 |
| 2-Methylphenol | ND | ug/Kg | 5 | 130 | 430 |
| 3 & 4-Methylphenol | ND | ug/Kg | 5 | 270 | 960 |
| Naphthalene | ND | ug/Kg | 5 | 150 | 510 |
| Phenanthrene | ND | ug/Kg | 5 | 180 | 610 |
| Phenol | ND | ug/Kg | 5 | 140 | 470 |
| Pyrene | ND | ug/Kg | 5 | 180 | 590 |
| Benzo[e]pyrene | ND | ug/Kg | 5 | 190 | 640 |
| 2-Fluorophenol (SURR**) | 63% | | | | |
| Phenol-d5 (SURR**) | 72% | | | | |
| Nitrobenzene-d5 (SURR**) | 69% | | | | |
| 2-Fluorobiphenyl (SURR**) | 85% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 81% | | | | |
| Terphenyl-d14 (SURR**) | 97% | | | | |

Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.
The internal standard Perylene-d12 area count recovered outside QC limits. Compound results associated may have a high bias.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90205**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 07/13/2005 12:53**

**Sample: 374039** **Soil, NS-SS19-0-1** **Collected: 06/08/05** **Analyzed: 06/18/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 5 | 160 | 540 |
| Acenaphthylene | ND | ug/Kg | 5 | 150 | 510 |
| Anthracene | ND | ug/Kg | 5 | 190 | 640 |
| Benzo[a]anthracene | ND | ug/Kg | 5 | 170 | 570 |
| Benzo[a]pyrene | ND | ug/Kg | 5 | 170 | 570 |
| Benzo[b]fluoranthene | ND | ug/Kg | 5 | 190 | 630 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 5 | 160 | 540 |
| Benzo[k]fluoranthene | ND | ug/Kg | 5 | 190 | 640 |
| Chrysene | ND | ug/Kg | 5 | 180 | 590 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 5 | 170 | 570 |
| Dibenzofuran | ND | ug/Kg | 5 | 160 | 530 |
| Fluoranthene | [270] | ug/Kg | 5 | 190 | 620 |
| Fluorene | ND | ug/Kg | 5 | 160 | 540 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 5 | 160 | 520 |
| 1-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 530 |
| 2-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 520 |
| 2-Methylphenol | ND | ug/Kg | 5 | 130 | 430 |
| 3 & 4-Methylphenol | ND | ug/Kg | 5 | 270 | 960 |
| Naphthalene | ND | ug/Kg | 5 | 150 | 510 |
| Phenanthrene | ND | ug/Kg | 5 | 180 | 610 |
| Phenol | ND | ug/Kg | 5 | 140 | 470 |
| Pyrene | [310] | ug/Kg | 5 | 180 | 590 |
| Benzo[e]pyrene | ND | ug/Kg | 5 | 190 | 640 |
| 2-Fluorophenol (SURR**) | 56% | | | | |
| Phenol-d5 (SURR**) | 64% | | | | |
| Nitrobenzene-d5 (SURR**) | 63% | | | | |
| 2-Fluorobiphenyl (SURR**) | 73% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 68% | | | | |
| Terphenyl-d14 (SURR**) | 91% | | | | |

Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.
The internal standard Perylene-d12 area count recovered outside QC limits. Compound results associated may have a high bias.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90205**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP Printed: 07/13/2005 12:53**

**Sample: 374040 Soil, NS-SS20-(0-1** **Collected: 06/08/05** **Analyzed: 06/18/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 5 | 160 | 540 |
| Acenaphthylene | ND | ug/Kg | 5 | 150 | 510 |
| Anthracene | ND | ug/Kg | 5 | 190 | 640 |
| Benzo[a]anthracene | ND | ug/Kg | 5 | 170 | 570 |
| Benzo[a]pyrene | ND | ug/Kg | 5 | 170 | 570 |
| Benzo[b]fluoranthene | ND | ug/Kg | 5 | 190 | 630 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 5 | 160 | 540 |
| Benzo[k]fluoranthene | ND | ug/Kg | 5 | 190 | 640 |
| Chrysene | ND | ug/Kg | 5 | 180 | 590 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 5 | 170 | 570 |
| Dibenzofuran | ND | ug/Kg | 5 | 160 | 530 |
| Fluoranthene | ND | ug/Kg | 5 | 190 | 620 |
| Fluorene | ND | ug/Kg | 5 | 160 | 540 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 5 | 160 | 520 |
| 1-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 530 |
| 2-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 520 |
| 2-Methylphenol | ND | ug/Kg | 5 | 130 | 430 |
| 3 & 4-Methylphenol | ND | ug/Kg | 5 | 270 | 960 |
| Naphthalene | ND | ug/Kg | 5 | 150 | 510 |
| Phenanthrene | ND | ug/Kg | 5 | 180 | 610 |
| Phenol | ND | ug/Kg | 5 | 140 | 470 |
| Pyrene | ND | ug/Kg | 5 | 180 | 590 |
| Benzo[e]pyrene | ND | ug/Kg | 5 | 190 | 640 |
| 2-Fluorophenol (SURR**) | 60% | | | | |
| Phenol-d5 (SURR**) | 68% | | | | |
| Nitrobenzene-d5 (SURR**) | 67% | | | | |
| 2-Fluorobiphenyl (SURR**) | 76% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 71% | | | | |
| Terphenyl-d14 (SURR**) | 90% | | | | |

Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.
The internal standard Perylene-d12 area count recovered outside QC limits. Compound results associated may have a high bias.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90205**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 07/13/2005 12:53**

**Sample: 374041** **Soil, NS-SS15-0-1** **Collected: 06/08/05** **Analyzed: 06/18/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 10 | 320 | 1100 |
| Acenaphthylene | ND | ug/Kg | 10 | 310 | 1000 |
| Anthracene | ND | ug/Kg | 10 | 380 | 1300 |
| Benzo[a]anthracene | ND | ug/Kg | 10 | 340 | 1100 |
| Benzo[a]pyrene | ND | ug/Kg | 10 | 340 | 1100 |
| Benzo[b]fluoranthene | ND | ug/Kg | 10 | 380 | 1300 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 10 | 330 | 1100 |
| Benzo[k]fluoranthene | ND | ug/Kg | 10 | 380 | 1300 |
| Chrysene | ND | ug/Kg | 10 | 360 | 1200 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 10 | 340 | 1100 |
| Dibenzofuran | ND | ug/Kg | 10 | 320 | 1100 |
| Fluoranthene | ND | ug/Kg | 10 | 370 | 1200 |
| Fluorene | ND | ug/Kg | 10 | 320 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 10 | 310 | 1000 |
| 1-Methylnaphthalene | ND | ug/Kg | 10 | 320 | 1100 |
| 2-Methylnaphthalene | ND | ug/Kg | 10 | 310 | 1000 |
| 2-Methylphenol | ND | ug/Kg | 10 | 260 | 870 |
| 3 & 4-Methylphenol | ND | ug/Kg | 10 | 550 | 1900 |
| Naphthalene | ND | ug/Kg | 10 | 310 | 1000 |
| Phenanthrene | ND | ug/Kg | 10 | 370 | 1200 |
| Phenol | ND | ug/Kg | 10 | 280 | 940 |
| Pyrene | [540] | ug/Kg | 10 | 360 | 1200 |
| Benzo[e]pyrene | ND | ug/Kg | 10 | 380 | 1300 |
| 2-Fluorophenol (SURR**) | 58% | | | | |
| Phenol-d5 (SURR**) | 70% | | | | |
| Nitrobenzene-d5 (SURR**) | 71% | | | | |
| 2-Fluorobiphenyl (SURR**) | 86% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 74% | | | | |
| Terphenyl-d14 (SURR**) | 95% | | | | |

Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.
The internal standard Perylene-d12 area count recovered outside QC limits. Compound results associated may have a high bias.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90205**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 07/13/2005 12:53**

**Sample: 374042** **Soil, NS-SS17-(I-1** **Collected: 06/08/05** **Analyzed: 06/18/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 10 | 320 | 1100 |
| Acenaphthylene | ND | ug/Kg | 10 | 310 | 1000 |
| Anthracene | ND | ug/Kg | 10 | 380 | 1300 |
| Benzo[a]anthracene | ND | ug/Kg | 10 | 340 | 1100 |
| Benzo[a]pyrene | ND | ug/Kg | 10 | 340 | 1100 |
| Benzo[b]fluoranthene | [510] | ug/Kg | 10 | 380 | 1300 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 10 | 330 | 1100 |
| Benzo[k]fluoranthene | ND | ug/Kg | 10 | 380 | 1300 |
| Chrysene | ND | ug/Kg | 10 | 360 | 1200 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 10 | 340 | 1100 |
| Dibenzofuran | ND | ug/Kg | 10 | 320 | 1100 |
| Fluoranthene | [770] | ug/Kg | 10 | 370 | 1200 |
| Fluorene | ND | ug/Kg | 10 | 320 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 10 | 310 | 1000 |
| 1-Methylnaphthalene | ND | ug/Kg | 10 | 320 | 1100 |
| 2-Methylnaphthalene | ND | ug/Kg | 10 | 310 | 1000 |
| 2-Methylphenol | ND | ug/Kg | 10 | 260 | 870 |
| 3 & 4-Methylphenol | ND | ug/Kg | 10 | 550 | 1900 |
| Naphthalene | ND | ug/Kg | 10 | 310 | 1000 |
| Phenanthrene | [420] | ug/Kg | 10 | 370 | 1200 |
| Phenol | ND | ug/Kg | 10 | 280 | 940 |
| Pyrene | [730] | ug/Kg | 10 | 360 | 1200 |
| Benzo[e]pyrene | ND | ug/Kg | 10 | 380 | 1300 |
| 2-Fluorophenol (SURR**) | 66% | | | | |
| Phenol-d5 (SURR**) | 77% | | | | |
| Nitrobenzene-d5 (SURR**) | 77% | | | | |
| 2-Fluorobiphenyl (SURR**) | 95% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 83% | | | | |
| Terphenyl-d14 (SURR**) | 113% | | | | |

Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.
The internal standard Perylene-d12 area count recovered outside QC limits. Compound results associated may have a high bias.

** Surrogates are used to evaluate a method's Quality Control.

# ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90205**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: SAT2SNSP** **Printed: 07/13/2005 12:53**

**Sample: 374033** **Soil, NS-SOTP100-0-1** **Collected: 06/08/05** **Analyzed: 06/11/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [12] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 97% | | | | |
| Toluene-d8 (SURR**) | 103% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

**Sample: 374034** **Soil, NS-SOTP101-0-1** **Collected: 06/08/05** **Analyzed: 06/11/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [17] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 100% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 97% | | | | |

**Sample: 374035** **Soil, NS-SOTP106-0-1** **Collected: 06/08/05** **Analyzed: 06/11/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | [29] | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [27] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | [19] | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | [34] | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 99% | | | | |
| Toluene-d8 (SURR**) | 100% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 8% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90205**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 07/13/2005 12:53**

**Sample: 374036** **Soil, NS-SOTP108-0-1** **Collected: 06/08/05** **Analyzed: 06/11/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [17] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 97% | | | | |
| Toluene-d8 (SURR**) | 103% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 96% | | | | |

**Sample: 374037** **Soil, NS-SOTP109-0-1** **Collected: 06/08/05** **Analyzed: 06/11/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [19] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 99% | | | | |
| Toluene-d8 (SURR**) | 103% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

**Sample: 374038** **Soil, NS-SOTP110-0-1** **Collected: 06/08/05** **Analyzed: 06/11/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [26] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 93% | | | | |
| Toluene-d8 (SURR**) | 99% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 94% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90205**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 07/13/2005 12:53**

**Sample: 374039** **Soil, NS-SS19-0-1** **Collected: 06/08/05** **Analyzed: 06/11/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 97% | | | | |
| Toluene-d8 (SURR**) | 100% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 95% | | | | |

**Sample: 374040** **Soil, NS-SS20-0-1** **Collected: 06/08/05** **Analyzed: 06/11/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [14] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 103% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

**Sample: 374041** **Soil, NS-SS15-0-1** **Collected: 06/08/05** **Analyzed: 06/11/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [14] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 98% | | | | |
| Toluene-d8 (SURR**) | 103% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 98% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90205**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 07/13/2005 12:53**

**Sample: 374042** **Soil, NS-SS17-0-1** **Collected: 06/08/05** **Analyzed: 06/11/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 97% | | | | |
| Toluene-d8 (SURR**) | 102% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 97% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 90206**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

**Soil, NS-SOTP102-0-1 (MS/MSD) NLS ID: 374043**
Ref. Line 1 COC 80122 Soil, NS-SOTP102-0-1 (MS/MSD) Matrix: SO
Collected: 06/09/05 07:30 Received: 06/10/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 6400 | mg/Kg DWB | 1 | 5.5 | 20 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.5 | 07/07/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.4] | mg/Kg DWB | 20 | 1.0 | 3.5 | 07/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 31 | mg/Kg DWB | 1 | 0.13 | 0.26 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.79 | mg/Kg DWB | 5 | 0.13 | 0.46 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.19 | 0.70 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 2800 | mg/Kg DWB | 10 | 39 | 78 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 14 | mg/Kg DWB | 1 | 0.39* | 1.4 | 07/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.32 | mg/Kg DWB | 2 | 0.15* | | 06/17/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 14 | mg/Kg DWB | 1 | 0.39 | 1.4 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.1 | mg/Kg DWB | 1 | 0.36 | 1.3 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 18 | mg/Kg DWB | 1 | 0.15 | 0.57 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.10 | 0.31 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 16000 | mg/Kg DWB | 10 | 7.3 | 27 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [5.2] | mg/Kg DWB | 1 | 4.2 | 15 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 3600 | mg/Kg DWB | 10 | 39 | 78 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 210 | mg/Kg DWB | 1 | 0.086 | 0.26 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.083 | 0.29 | 06/20/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 14 | mg/Kg DWB | 1 | 0.91 | 3.3 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 530 | mg/Kg DWB | 1 | 9.4 | 34 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.1 | 06/28/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.38 | 1.4 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 110 | mg/Kg DWB | 1 | 0.86 | 3.1 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 95.7 | % | 1 | 0.10* | | 06/13/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.3 | 07/07/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 37 | mg/Kg DWB | 1 | 0.23 | 0.83 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 23 | mg/Kg DWB | 1 | 0.17 | 0.52 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/24/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/16/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/13/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/19/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/16/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 90206
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SOTP105-0-1 NLS ID: 374044**
Ref. Line 2 COC 80122 Soil, NS-SOTP105-0-1 Matrix: SO
Collected: 06/09/05 07:45 Received: 06/10/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 870 | mg/Kg DWB | 1 | 5.8 | 22 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.2 | 4.2 | 07/07/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 0.94 | 3.3 | 07/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 10 | mg/Kg DWB | 1 | 0.14 | 0.28 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.10] | mg/Kg DWB | 2 | 0.055 | 0.19 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.20 | 0.75 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 370 | mg/Kg DWB | 10 | 41 | 83 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 2.1 | mg/Kg DWB | 1 | 0.41* | 1.5 | 07/11/05 | Calc. | 721026460 |
| *Chromium, Hex. as Cr+6 (soil)* | 0.26 | mg/Kg DWB | 2 | 0.15* | | 06/17/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 2.4 | mg/Kg DWB | 1 | 0.41 | 1.5 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | [0.91] | mg/Kg DWB | 1 | 0.39 | 1.4 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 2.2 | mg/Kg DWB | 1 | 0.16 | 0.61 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.32 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 4100 | mg/Kg DWB | 10 | 7.7 | 29 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 4.5 | 16 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 400 | mg/Kg DWB | 10 | 41 | 83 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 100 | mg/Kg DWB | 1 | 0.091 | 0.28 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.084 | 0.30 | 06/20/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | [2.0] | mg/Kg DWB | 1 | 0.97 | 3.5 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 120 | mg/Kg DWB | 1 | 9.9 | 36 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.1 | 3.8 | 06/28/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.40 | 1.4 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 16 | mg/Kg DWB | 1 | 0.91 | 3.3 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 94.2 | % | 1 | 0.10* | | 06/13/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.9 | 07/07/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 8.9 | mg/Kg DWB | 1 | 0.24 | 0.88 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 4.3 | mg/Kg DWB | 1 | 0.18 | 0.55 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/24/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/16/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/13/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/19/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/16/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 90206
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SQDup 01-0605 NLS ID: 374045**
Ref. Line 3 COC 80122 Soil, NS-SQDup 01-0605 Matrix: SO
Collected: 06/09/05 00:00 Received: 06/10/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 7500 | mg/Kg DWB | 1 | 9.2 | 34 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.8 | 6.4 | 07/07/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [3.0] | mg/Kg DWB | 20 | 1.4 | 5.1 | 07/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 110 | mg/Kg DWB | 1 | 0.22 | 0.44 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.57] | mg/Kg DWB | 5 | 0.22 | 0.77 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | [0.46] | mg/Kg DWB | 1 | 0.32 | 1.2 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 17000 | mg/Kg DWB | 10 | 66 | 130 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 22 | mg/Kg DWB | 1 | 0.66* | 2.3 | 07/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.22 | mg/Kg DWB | 2 | 0.21* | | 06/17/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 22 | mg/Kg DWB | 1 | 0.66 | 2.3 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.4 | mg/Kg DWB | 1 | 0.61 | 2.1 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 67 | mg/Kg DWB | 1 | 0.26 | 0.96 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 1.3 | mg/Kg DWB | 1 | 0.14 | 0.43 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 19000 | mg/Kg DWB | 10 | 12 | 46 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 170 | mg/Kg DWB | 1 | 7.1 | 26 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 5600 | mg/Kg DWB | 10 | 66 | 130 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 290 | mg/Kg DWB | 1 | 0.14 | 0.44 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | [0.11] | mg/Kg DWB | 1 | 0.076 | 0.27 | 06/20/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 17 | mg/Kg DWB | 1 | 1.5 | 5.6 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 820 | mg/Kg DWB | 1 | 16 | 57 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.7 | 5.8 | 06/28/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.63 | 2.3 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 230 | mg/Kg DWB | 1 | 1.4 | 5.3 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 69.1 | % | 1 | 0.10* | | 06/13/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 2.1 | 7.5 | 07/07/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 30 | mg/Kg DWB | 1 | 0.38 | 1.4 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 250 | mg/Kg DWB | 1 | 0.29 | 0.88 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/24/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/16/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/13/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/19/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/16/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 90206
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SQDup 02-0605 NLS ID: 374046**
Ref. Line 4 COC 80122 Soil, NS-SQDup 02-0605 Matrix: SO
Collected: 06/09/05 00:00 Received: 06/10/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 630 | mg/Kg DWB | 1 | 7.7 | 29 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.8 | 07/07/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 3.8 | 07/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 7.5 | mg/Kg DWB | 1 | 0.18 | 0.37 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.081] | mg/Kg DWB | 2 | 0.074 | 0.26 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.27 | 0.99 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 380 | mg/Kg DWB | 10 | 55 | 110 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 2.6 | mg/Kg DWB | 1 | 0.55* | 2.0 | 07/11/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | ND | mg/Kg DWB | 2 | 0.19* | | 06/17/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 2.6 | mg/Kg DWB | 1 | 0.55 | 2.0 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | [0.72] | mg/Kg DWB | 1 | 0.52 | 1.8 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 2.1 | mg/Kg DWB | 1 | 0.22 | 0.81 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 1.1 | mg/Kg DWB | 1 | 0.13 | 0.40 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 4100 | mg/Kg DWB | 10 | 10 | 38 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 6.0 | 22 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 370 | mg/Kg DWB | 10 | 55 | 110 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 42 | mg/Kg DWB | 1 | 0.12 | 0.37 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.070 | 0.25 | 06/20/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | [2.0] | mg/Kg DWB | 1 | 1.3 | 4.7 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 93 | mg/Kg DWB | 1 | 13 | 48 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.4 | 06/28/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.53 | 1.9 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 17 | mg/Kg DWB | 1 | 1.2 | 4.4 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 75.3 | % | 1 | 0.10* | | 06/13/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.7 | 07/07/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 8.9 | mg/Kg DWB | 1 | 0.32 | 1.2 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 3.8 | mg/Kg DWB | 1 | 0.25 | 0.74 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/24/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/16/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/13/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/19/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/16/05 | SW846 3550B | 721026460 |

**Soil, NS-SQMeOH Blank 2-0605 NLS ID: 374047**
Ref. Line 6 COC 80122 Soil, NS-SQMeOH Blank 2-0605 Matrix: TB
Collected: 06/09/05 00:00 Received: 06/10/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/13/05 | SW846 8260 | 721026460 |

**Soil, NS-SQMeOH Blank 3-0605 NLS ID: 374048**
Ref. Line 7 COC 80122 Soil, NS-SQMeOH Blank 3-0605 Matrix: TB
Collected: 06/09/05 00:00 Received: 06/10/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/13/05 | SW846 8260 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 90206
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90206**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/13/2005 12:54**

**Sample: 374043** **Soil, NS-SOTP102-0-1 (MS/MSD)** **Collected: 06/09/05** **Analyzed: 06/19/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 66% | | | | |
| Phenol-d5 (SURR**) | 67% | | | | |
| Nitrobenzene-d5 (SURR**) | 65% | | | | |
| 2-Fluorobiphenyl (SURR**) | 73% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 87% | | | | |
| Terphenyl-d14 (SURR**) | 56% | | | | |

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90206**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 07/13/2005 12:54**

**Sample: 374044** **Soil, NS-SOTP105-0-1** **Collected: 06/09/05** **Analyzed: 06/19/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 63% | | | | |
| Phenol-d5 (SURR**) | 64% | | | | |
| Nitrobenzene-d5 (SURR**) | 63% | | | | |
| 2-Fluorobiphenyl (SURR**) | 69% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 82% | | | | |
| Terphenyl-d14 (SURR**) | 53% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90206**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/13/2005 12:54**

**Sample: 374045** **Soil, NS-SQDup 01-0605** **Collected: 06/09/05** **Analyzed: 06/19/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 10 | 320 | 1100 |
| Acenaphthylene | ND | ug/Kg | 10 | 310 | 1000 |
| Anthracene | ND | ug/Kg | 10 | 380 | 1300 |
| Benzo[a]anthracene | 1500 | ug/Kg | 10 | 340 | 1100 |
| Benzo[a]pyrene | 1600 | ug/Kg | 10 | 340 | 1100 |
| Benzo[b]fluoranthene | 2400 | ug/Kg | 10 | 380 | 1300 |
| Benzo[g,h,i]perylene | [790] | ug/Kg | 10 | 330 | 1100 |
| Benzo[k]fluoranthene | [830] | ug/Kg | 10 | 380 | 1300 |
| Chrysene | 1800 | ug/Kg | 10 | 360 | 1200 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 10 | 340 | 1100 |
| Dibenzofuran | ND | ug/Kg | 10 | 320 | 1100 |
| Fluoranthene | 3900 | ug/Kg | 10 | 370 | 1200 |
| Fluorene | ND | ug/Kg | 10 | 320 | 1100 |
| Indeno[1,2,3-cd]pyrene | [520] | ug/Kg | 10 | 310 | 1000 |
| 1-Methylnaphthalene | ND | ug/Kg | 10 | 320 | 1100 |
| 2-Methylnaphthalene | ND | ug/Kg | 10 | 310 | 1000 |
| 2-Methylphenol | ND | ug/Kg | 10 | 260 | 870 |
| 3 & 4-Methylphenol | ND | ug/Kg | 10 | 550 | 1900 |
| Naphthalene | ND | ug/Kg | 10 | 310 | 1000 |
| Phenanthrene | 2600 | ug/Kg | 10 | 370 | 1200 |
| Phenol | ND | ug/Kg | 10 | 280 | 940 |
| Pyrene | 3300 | ug/Kg | 10 | 360 | 1200 |
| Benzo[e]pyrene | 1300 | ug/Kg | 10 | 380 | 1300 |
| 2-Fluorophenol (SURR**) | 63% | | | | |
| Phenol-d5 (SURR**) | 68% | | | | |
| Nitrobenzene-d5 (SURR**) | 65% | | | | |
| 2-Fluorobiphenyl (SURR**) | 65% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 72% | | | | |
| Terphenyl-d14 (SURR**) | 47% | | | | |

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90206**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 07/13/2005 12:54**

**Sample: 374046** **Soil, NS-SQDup 02-0605** **Collected: 06/09/05** **Analyzed: 06/19/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 67% | | | | |
| Phenol-d5 (SURR**) | 68% | | | | |
| Nitrobenzene-d5 (SURR**) | 68% | | | | |
| 2-Fluorobiphenyl (SURR**) | 74% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 86% | | | | |
| Terphenyl-d14 (SURR**) | 58% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

# ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90206**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: SAT2SNSP Printed: 07/13/2005 12:54**

**Sample: 374043 Soil, NS-SOTP102-0-1 (MS/MSD)** **Collected: 06/09/05** **Analyzed: 06/13/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 107% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 98% | | | | |

**Sample: 374044 Soil, NS-SOTP105-0-1** **Collected: 06/09/05** **Analyzed: 06/13/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 101% | | | | |
| Toluene-d8 (SURR**) | 101% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

**Sample: 374045 Soil, NS-SQDup 01-0605** **Collected: 06/09/05** **Analyzed: 06/13/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 101% | | | | |
| Toluene-d8 (SURR**) | 102% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 96% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90206**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 07/13/2005 12:54**

**Sample: 374046** **Soil, NS-SQDup 02-0605** **Collected: 06/09/05** **Analyzed: 06/13/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 102% | | | | |
| Toluene-d8 (SURR**) | 104% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 98% | | | | |

**Sample: 374047** **Soil, NS-SQMeOH Blank 2-0605** **Collected: 06/09/05** **Analyzed: 06/13/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 97% | | | | |
| Toluene-d8 (SURR**) | 101% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

**Sample: 374048** **Soil, NS-SQMeOH Blank 3-0605** **Collected: 06/09/05** **Analyzed: 06/13/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 92% | | | | |
| Toluene-d8 (SURR**) | 102% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 96% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 90297
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-S0TP118-0-1 NLS ID: 374540**
Ref. Line 1 COC 76426 Soil, NS-S0TP118-0-1 Matrix: SO
Collected: 06/13/05 12:20 Received: 06/15/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 11000 | mg/Kg DWB | 1 | 8.8 | 33 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 2.1 | 7.3 | 07/13/05 | SW846 7041 | 721026460 |
| *Arsenic, tot. recoverable as As by furnace AAS* | *[5.4]* | *mg/Kg DWB* | 20 | 1 6 | 5.8 | *07/12/05* | *SW846 7060* | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 110 | mg/Kg DWB | 1 | 0.21 | 0.42 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 1.8 | mg/Kg DWB | 5 | 0 21 | 0.73 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | [0.71] | mg/Kg DWB | 1 | 0.31 | 1.1 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 10000 | mg/Kg DWB | 10 | 63 | 130 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 25 | mg/Kg DWB | 1 | 0.63* | 2.2 | 07/13/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.22 | mg/Kg DWB | 2 | 0.21* | | 06/17/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 25 | mg/Kg DWB | 1 | 0.63 | 2.2 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 8.6 | mg/Kg DWB | 1 | 0.58 | 2.0 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 70 | mg/Kg DWB | 1 | 0.25 | 0.92 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | 1.1 | mg/Kg DWB | 1 | 0.14 | 0.43 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 24000 | mg/Kg DWB | 10 | 12 | 43 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 79 | mg/Kg DWB | 1 | 6.8 | 25 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 5600 | mg/Kg DWB | 10 | 63 | 130 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 510 | mg/Kg DWB | 1 | 0.14 | 0.42 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | [0.19] | mg/Kg DWB | 1 | 0.075 | 0.26 | 06/22/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 20 | mg/Kg DWB | 1 | 1.5 | 5.3 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1700 | mg/Kg DWB | 1 | 15 | 55 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.9 | 6.7 | 07/14/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.61 | 2.2 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 230 | mg/Kg DWB | 1 | 1.4 | 5.0 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 70.6 | % | 1 | 0.10* | | 06/17/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 2.5 | 8.7 | 07/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 35 | mg/Kg DWB | 1 | 0.36 | 1.3 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 210 | mg/Kg DWB | 1 | 0.28 | 0.83 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/24/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/16/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/16/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/21/05 | SW846 8270C | 721026460 |
| *Ultrasonic Extraction by 3550B* | *yes* | | | | | *06/17/05* | *SW846 3550B* | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RIFS/25688375

NLS Project: 90297
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**Soil, NS-S0TP117-0-1 NLS ID: 374541**
Ref. Line 2 COC 76426 Soil, NS-S0TP117-0-1 Matrix: SO
Collected: 06/13/05 14:10 Received: 06/15/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 13000 | mg/Kg DWB | 1 | 9.6 | 36 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 2.0 | 7.2 | 07/13/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [5.0] | mg/Kg DWB | 20 | 1.6 | 5.7 | 07/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 190 | mg/Kg DWB | 1 | 0.23 | 0.46 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.48] | mg/Kg DWB | 5 | 0.23 | 0.80 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | 1.3 | mg/Kg DWB | 1 | 0.34 | 1.2 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 29000 | mg/Kg DWB | 10 | 69 | 140 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 24 | mg/Kg DWB | 1 | 0.69* | 2.4 | 07/13/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.28 | mg/Kg DWB | 2 | 0.20* | | 06/17/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 24 | mg/Kg DWB | 1 | 0.69 | 2.4 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.1 | mg/Kg DWB | 1 | 0.64 | 2.2 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 120 | mg/Kg DWB | 1 | 0.27 | 1.0 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.32] | mg/Kg DWB | 1 | 0.14 | 0.43 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 26000 | mg/Kg DWB | 10 | 13 | 48 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 110 | mg/Kg DWB | 1 | 7.4 | 27 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 5700 | mg/Kg DWB | 10 | 69 | 140 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 670 | mg/Kg DWB | 1 | 0.15 | 0.46 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | 0.40 | mg/Kg DWB | 1 | 0.074 | 0.26 | 06/22/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 19 | mg/Kg DWB | 1 | 1.6 | 5.8 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1200 | mg/Kg DWB | 1 | 16 | 60 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.9 | 6.5 | 07/14/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | 7.6 | mg/Kg DWB | 1 | 0.66 | 2.4 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 120 | mg/Kg DWB | 1 | 1.5 | 5.5 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 71.0 | % | 1 | 0.10* | | 06/17/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 2.4 | 8.5 | 07/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 32 | mg/Kg DWB | 1 | 0.40 | 1.5 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 250 | mg/Kg DWB | 1 | 0.31 | 0.92 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/24/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/16/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/16/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/21/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/17/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 90297**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

**Soil, NS-S0TP119-0-1 NLS ID: 374542**
Ref. Line 3 COC 76426 Soil, NS-S0TP119-0-1 Matrix: SO
Collected: 06/13/05 15:30 Received: 06/15/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 5600 | mg/Kg DWB | 1 | 6.6 | 25 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 5.0 | 07/13/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.8] | mg/Kg DWB | 20 | 1.1 | 3.9 | 07/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 48 | mg/Kg DWB | 1 | 0.16 | 0.32 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.22] | mg/Kg DWB | 5 | 0.16 | 0.55 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.23 | 0.85 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 3600 | mg/Kg DWB | 10 | 47 | 95 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 12 | mg/Kg DWB | 1 | 0.47* | 1.7 | 07/13/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.34 | mg/Kg DWB | 2 | 0.16* | | 06/17/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 12 | mg/Kg DWB | 1 | 0.47 | 1.7 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 4.9 | mg/Kg DWB | 1 | 0.44 | 1.5 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 11 | mg/Kg DWB | 1 | 0.19 | 0.70 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.34 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 14000 | mg/Kg DWB | 10 | 8.8 | 33 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [7.9] | mg/Kg DWB | 1 | 5.1 | 19 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 3100 | mg/Kg DWB | 10 | 47 | 95 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 230 | mg/Kg DWB | 1 | 0.10 | 0.32 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.071 | 0.25 | 06/22/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 9.8 | mg/Kg DWB | 1 | 1.1 | 4.0 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 550 | mg/Kg DWB | 1 | 11 | 41 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.5 | 07/14/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.46 | 1.6 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 58 | mg/Kg DWB | 1 | 1.0 | 3.8 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 89.4 | % | 1 | 0.10* | | 06/17/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.7 | 5.9 | 07/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 32 | mg/Kg DWB | 1 | 0.27 | 1.0 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 30 | mg/Kg DWB | 1 | 0.21 | 0.63 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/24/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/16/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/16/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/21/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/17/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 90297
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-S0TP114-0-1 NLS ID: 374543**
Ref. Line 4 COC 76426 Soil, NS-S0TP114 0-1 Matrix: SO
Collected: 06/13/05 15:45 Received: 06/15/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 9200 | mg/Kg DWB | 1 | 7.3 | 27 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.5 | 07/13/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.3] | mg/Kg DWB | 20 | 1.0 | 3.6 | 07/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 190 | mg/Kg DWB | 1 | 0.17 | 0.35 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.33] | mg/Kg DWB | 5 | 0.17 | 0.61 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.26 | 0.94 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 7600 | mg/Kg DWB | 10 | 52 | 100 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 17 | mg/Kg DWB | 1 | 0.52* | 1.9 | 07/13/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.17 | mg/Kg DWB | 2 | 0.16* | | 06/17/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 17 | mg/Kg DWB | 1 | 0.52 | 1.9 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.5 | mg/Kg DWB | 1 | 0.49 | 1.7 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 32 | mg/Kg DWB | 1 | 0.21 | 0.77 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.35 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 21000 | mg/Kg DWB | 10 | 9.8 | 36 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 24 | mg/Kg DWB | 1 | 5.7 | 21 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 4800 | mg/Kg DWB | 10 | 52 | 100 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 290 | mg/Kg DWB | 1 | 0.12 | 0.35 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.073 | 0.26 | 06/22/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 17 | mg/Kg DWB | 1 | 1.2 | 4.4 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1200 | mg/Kg DWB | 1 | 13 | 46 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.1 | 07/14/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.51 | 1.8 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 110 | mg/Kg DWB | 1 | 1.2 | 4.2 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 86.7 | % | 1 | 0.10* | | 06/17/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.3 | 07/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 46 | mg/Kg DWB | 1 | 0.30 | 1.1 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 55 | mg/Kg DWB | 1 | 0.23 | 0.70 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/24/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/16/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/16/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/21/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/17/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 90297**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

**Soil, NS-S0TP115-0-1 NLS ID: 374544**
Ref. Line 5 COC 76426 Soil, NS-S0TP115-0-1 Matrix: SO
Collected: 06/13/05 16:00 Received: 06/15/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 12000 | mg/Kg DWB | 1 | 8.2 | 30 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.9 | 07/13/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.3] | mg/Kg DWB | 20 | 1.1 | 3.9 | 07/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 160 | mg/Kg DWB | 1 | 0.19 | 0.39 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.74 | mg/Kg DWB | 5 | 0.19 | 0.68 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.29 | 1.1 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 18000 | mg/Kg DWB | 10 | 58 | 120 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 23 | mg/Kg DWB | 1 | 0.58* | 2.1 | 07/13/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.37 | mg/Kg DWB | 2 | 0.18* | | 06/17/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 24 | mg/Kg DWB | 1 | 0.58 | 2.1 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.7 | mg/Kg DWB | 1 | 0.55 | 1.9 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 45 | mg/Kg DWB | 1 | 0.23 | 0.86 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.36 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 22000 | mg/Kg DWB | 10 | 11 | 41 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 37 | mg/Kg DWB | 1 | 6.3 | 23 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 7100 | mg/Kg DWB | 10 | 58 | 120 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 330 | mg/Kg DWB | 1 | 0.13 | 0.39 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | [0.14] | mg/Kg DWB | 1 | 0.077 | 0.27 | 06/22/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 19 | mg/Kg DWB | 1 | 1.4 | 4.9 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1900 | mg/Kg DWB | 1 | 14 | 51 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.4 | 07/14/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | 4.4 | mg/Kg DWB | 1 | 0.56 | 2.0 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 95 | mg/Kg DWB | 1 | 1.3 | 4.7 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 81.6 | % | 1 | 0.10* | | 06/17/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.8 | 07/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 35 | mg/Kg DWB | 1 | 0.34 | 1.2 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 85 | mg/Kg DWB | 1 | 0.26 | 0.78 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/24/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/16/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/16/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/21/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/17/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 90297
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-S0TP116-0-1 NLS ID: 374145**
Ref. Line 6 COC 76426 Soil, NS-S0TP116-0-1 Matrix: SO
Collected: 06/13/05 16:15 Received: 06/15/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 8000 | mg/Kg DWB | 1 | 7.4 | 28 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.5 | 07/13/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.6] | mg/Kg DWB | 20 | 1.0 | 3.6 | 07/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 48 | mg/Kg DWB | 1 | 0.18 | 0.35 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.58] | mg/Kg DWB | 5 | 0.18 | 0.62 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.26 | 0.96 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 4600 | mg/Kg DWB | 10 | 53 | 110 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 19 | mg/Kg DWB | 1 | 0.53* | 1.9 | 07/13/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.50 | mg/Kg DWB | 2 | 0.16* | | 06/17/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 19 | mg/Kg DWB | 1 | 0.53 | 1.9 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 8.9 | mg/Kg DWB | 1 | 0.50 | 1.7 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 31 | mg/Kg DWB | 1 | 0.21 | 0.78 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.34 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron tot. recoverable as Fe by ICP | 20000 | mg/Kg DWB | 10 | 9.9 | 37 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [17] | mg/Kg DWB | 1 | 5.7 | 21 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 4700 | mg/Kg DWB | 10 | 53 | 110 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 270 | mg/Kg DWB | 1 | 0.12 | 0.35 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | [0.15] | mg/Kg DWB | 1 | 0.071 | 0.25 | 06/22/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 17 | mg/Kg DWB | 1 | 1.2 | 4.5 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 930 | mg/Kg DWB | 1 | 13 | 46 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.1 | 07/14/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.51 | 1.8 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 93 | mg/Kg DWB | 1 | 1.2 | 4.3 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 89.5 | % | 1 | 0.10* | | 06/17/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.3 | 07/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 42 | mg/Kg DWB | 1 | 0.31 | 1.1 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 47 | mg/Kg DWB | 1 | 0.24 | 0.71 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/24/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/16/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/16/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/21/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/17/05 | SW846 3550B | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 90297**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

**Soil, NS-S0TP120-0-1 NLS ID: 374546**
Ref. Line 7 COC 76426 Soil, NS-S0TP120-0-1 Matrix: SO
Collected: 06/14/05 09:30 Received: 06/15/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 8800 | mg/Kg DWB | 1 | 6.9 | 26 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.3 | 07/13/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.1] | mg/Kg DWB | 20 | 1.2 | 4.2 | 07/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 140 | mg/Kg DWB | 1 | 0.16 | 0.33 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.69 | mg/Kg DWB | 5 | 0.16 | 0.57 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | [0.40] | mg/Kg DWB | 1 | 0.24 | 0.88 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 15000 | mg/Kg DWB | 10 | 49 | 98 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 18 | mg/Kg DWB | 1 | 0.49* | 1.7 | 07/13/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.62 | mg/Kg DWB | 2 | 0.18* | | 06/17/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 19 | mg/Kg DWB | 1 | 0.49 | 1.7 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.3 | mg/Kg DWB | 1 | 0.46 | 1.6 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 43 | mg/Kg DWB | 1 | 0.19 | 0.72 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.37 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 17000 | mg/Kg DWB | 10 | 9.2 | 34 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 45 | mg/Kg DWB | 1 | 5.3 | 19 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 6100 | mg/Kg DWB | 10 | 49 | 98 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 380 | mg/Kg DWB | 1 | 0.11 | 0.33 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | 0.71 | mg/Kg DWB | 1 | 0.078 | 0.28 | 06/22/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 15 | mg/Kg DWB | 1 | 1.1 | 4.2 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1200 | mg/Kg DWB | 1 | 12 | 43 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.4 | 4.8 | 07/14/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | 1.7 | mg/Kg DWB | 1 | 0.48 | 1.7 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 100 | mg/Kg DWB | 1 | 1.1 | 3.9 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 80.9 | % | 1 | 0.10* | | 06/17/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.8 | 6.3 | 07/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 30 | mg/Kg DWB | 1 | 0.29 | 1.0 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 110 | mg/Kg DWB | 1 | 0.22 | 0.66 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/24/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/16/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/16/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/21/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/17/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 90297
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-S0TP111-0-1 NLS ID: 374547**
Ref. Line 8 COC 76426 Soil, NS-S0TP111 0-1 Matrix: SO
Collected: 06/14/05 09:55 Received: 06/15/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 8200 | mg/Kg DWB | 1 | 7.6 | 28 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.5 | 5.4 | 07/13/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [3.0] | mg/Kg DWB | 20 | 1.2 | 4.3 | 07/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 97 | mg/Kg DWB | 1 | 0.18 | 0.36 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.62] | mg/Kg DWB | 5 | 0.18 | 0.63 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | [0.64] | mg/Kg DWB | 1 | 0.27 | 0.98 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 11000 | mg/Kg DWB | 10 | 54 | 110 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 20 | mg/Kg DWB | 1 | 0.54* | 1.9 | 07/13/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.25 | mg/Kg DWB | 2 | 0.18* | | 06/17/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 20 | mg/Kg DWB | 1 | 0.54 | 1.9 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.2 | mg/Kg DWB | 1 | 0.51 | 1.8 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 44 | mg/Kg DWB | 1 | 0.21 | 0.80 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.23] | mg/Kg DWB | 1 | 0.13 | 0.38 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 17000 | mg/Kg DWB | 10 | 10 | 38 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 59 | mg/Kg DWB | 1 | 5.9 | 21 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 5400 | mg/Kg DWB | 10 | 54 | 110 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 270 | mg/Kg DWB | 1 | 0.12 | 0.36 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | 0.63 | mg/Kg DWB | 1 | 0.079 | 0.28 | 06/22/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 15 | mg/Kg DWB | 1 | 1.3 | 4.6 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1200 | mg/Kg DWB | 1 | 13 | 47 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.4 | 4.9 | 07/14/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | [0.72] | mg/Kg DWB | 1 | 0.53 | 1.9 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 96 | mg/Kg DWB | 1 | 1.2 | 4.3 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 80.1 | % | 1 | 0.10* | | 06/17/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.8 | 6.3 | 07/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 30 | mg/Kg DWB | 1 | 0.32 | 1.2 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 130 | mg/Kg DWB | 1 | 0.24 | 0.72 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/24/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/16/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/16/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/21/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/17/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 90297
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-S0TP113-0-1 NLS ID: 374548**
Ref. Line 9 COC 76426 Soil, NS-S0TP113-0-1 Matrix: SO
Collected: 06/14/05 10:40 Received: 06/15/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 9900 | mg/Kg DWB | 1 | 8.4 | 31 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [2.0] | mg/Kg DWB | 20 | 1.6 | 5.6 | 07/13/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.4] | mg/Kg DWB | 20 | 1.3 | 4.5 | 07/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 110 | mg/Kg DWB | 1 | 0.20 | 0.40 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 1.0 | mg/Kg DWB | 5 | 0.20 | 0.70 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.30 | 1.1 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 13000 | mg/Kg DWB | 10 | 60 | 120 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 19 | mg/Kg DWB | 1 | 0.60* | 2.1 | 07/13/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.41 | mg/Kg DWB | 2 | 0.20* | | 06/17/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 20 | mg/Kg DWB | 1 | 0.60 | 2.1 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.0 | mg/Kg DWB | 1 | 0.56 | 2.0 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 28 | mg/Kg DWB | 1 | 0.24 | 0.88 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.35] | mg/Kg DWB | 1 | 0.13 | 0.40 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 19000 | mg/Kg DWB | 10 | 11 | 41 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 50 | mg/Kg DWB | 1 | 6.5 | 24 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 5400 | mg/Kg DWB | 10 | 60 | 120 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 420 | mg/Kg DWB | 1 | 0.13 | 0.40 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | [0.075] | mg/Kg DWB | 1 | 0.070 | 0.25 | 06/22/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 16 | mg/Kg DWB | 1 | 1.4 | 5.1 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1600 | mg/Kg DWB | 1 | 14 | 52 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.5 | 5.1 | 07/14/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.58 | 2.1 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 90 | mg/Kg DWB | 1 | 1.3 | 4.8 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 74.8 | % | 1 | 0.10* | | 06/17/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.9 | 6.7 | 07/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 30 | mg/Kg DWB | 1 | 0.35 | 1.3 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 190 | mg/Kg DWB | 1 | 0.27 | 0.80 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/24/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/16/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/16/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/21/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/17/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 90297
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-S0TP112-0-1 NLS ID: 374549**
Ref. Line 10 COC 76426 Soil, NS-S0TP112-0-1 Matrix: SO
Collected: 06/14/05 11:45 Received: 06/15/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 7100 | mg/Kg DWB | 1 | 6.7 | 25 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [1.4] | mg/Kg DWB | 20 | 1.3 | 4.6 | 07/13/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | mg/Kg DWB | 20 | 1.0 | 3.6 | 07/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 38 | mg/Kg DWB | 1 | 0.16 | 0.32 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.35] | mg/Kg DWB | 5 | 0.16 | 0.56 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.24 | 0.86 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 67000 | mg/Kg DWB | 100 | 480 | 960 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 14 | mg/Kg DWB | 1 | 0.48* | 1.7 | 07/13/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.41 | mg/Kg DWB | 2 | 0.17* | | 06/17/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 15 | mg/Kg DWB | 1 | 0.48 | 1.7 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 7.0 | mg/Kg DWB | 1 | 0.45 | 1.6 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 33 | mg/Kg DWB | 1 | 0.19 | 0.70 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.35 | 06/16/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 20000 | mg/Kg DWB | 10 | 9.0 | 33 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | [15] | mg/Kg DWB | 1 | 5.2 | 19 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 5800 | mg/Kg DWB | 10 | 48 | 96 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 200 | mg/Kg DWB | 1 | 0.11 | 0.32 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.074 | 0.26 | 06/22/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 15 | mg/Kg DWB | 1 | 1.1 | 4.1 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 630 | mg/Kg DWB | 1 | 12 | 42 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.2 | 4.1 | 07/14/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.46 | 1.7 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 160 | mg/Kg DWB | 1 | 1.1 | 3.8 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 85.1 | % | 1 | 0.10* | | 06/17/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 5.0 | 07/13/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 41 | mg/Kg DWB | 1 | 0.28 | 1.0 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 53 | mg/Kg DWB | 1 | 0.21 | 0.64 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/24/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/16/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/16/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/21/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/17/05 | SW846 3550B | 721026460 |

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90297**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 07/14/2005 15:11**

**Sample: 374540** **Soil, NS-S0TP118-0-1** **Collected: 06/13/05** **Analyzed: 06/21/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 200 | 6500 | 22000 |
| Acenaphthylene | 27000 | ug/Kg | 200 | 6100 | 20000 |
| Anthracene | ND | ug/Kg | 200 | 7700 | 26000 |
| Benzo[a]anthracene | 25000 | ug/Kg | 200 | 6800 | 23000 |
| Benzo[a]pyrene | 68000 | ug/Kg | 200 | 6800 | 23000 |
| Benzo[b]fluoranthene | 53000 | ug/Kg | 200 | 7500 | 25000 |
| Benzo[g,h,i]perylene | 57000 | ug/Kg | 200 | 6500 | 22000 |
| Benzo[k]fluoranthene | [15000] | ug/Kg | 200 | 7600 | 25000 |
| Chrysene | 32000 | ug/Kg | 200 | 7100 | 24000 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 200 | 6800 | 23000 |
| Dibenzofuran | ND | ug/Kg | 200 | 6300 | 21000 |
| Fluoranthene | 25000 | ug/Kg | 200 | 7500 | 25000 |
| Fluorene | ND | ug/Kg | 200 | 6500 | 22000 |
| Indeno[1,2,3-cd]pyrene | 33000 | ug/Kg | 200 | 6200 | 21000 |
| 1-Methylnaphthalene | ND | ug/Kg | 200 | 6300 | 21000 |
| 2-Methylnaphthalene | ND | ug/Kg | 200 | 6200 | 21000 |
| 2-Methylphenol | ND | ug/Kg | 200 | 5200 | 17000 |
| 3 & 4-Methylphenol | ND | ug/Kg | 200 | 11000 | 39000 |
| Naphthalene | ND | ug/Kg | 200 | 6100 | 20000 |
| Phenanthrene | ND | ug/Kg | 200 | 7300 | 24000 |
| Phenol | ND | ug/Kg | 200 | 5600 | 19000 |
| Pyrene | 52000 | ug/Kg | 200 | 7100 | 24000 |
| Benzo[e]pyrene | 49000 | ug/Kg | 200 | 7600 | 25000 |
| 2-Fluorophenol (SURR**) | 62% | | | | |
| Phenol-d5 (SURR**) | 69% | | | | |
| Nitrobenzene-d5 (SURR**) | 63% | | | | |
| 2-Fluorobiphenyl (SURR**) | 92% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 87% | | | | |
| Terphenyl-d14 (SURR**) | 78% | | | | |

10 mL final extract volume.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90297**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP Printed: 07/14/2005 15:11**

**Sample: 374541 Soil, NS-S0TP117-0-1** **Collected: 06/13/05** **Analyzed: 06/21/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 50 | 1600 | 5400 |
| Acenaphthylene | [3200] | ug/Kg | 50 | 1500 | 5100 |
| Anthracene | ND | ug/Kg | 50 | 1900 | 6400 |
| Benzo[a]anthracene | [3000] | ug/Kg | 50 | 1700 | 5700 |
| Benzo[a]pyrene | 7400 | ug/Kg | 50 | 1700 | 5700 |
| Benzo[b]fluoranthene | [5900] | ug/Kg | 50 | 1900 | 6300 |
| Benzo[g,h,i]perylene | 6600 | ug/Kg | 50 | 1600 | 5400 |
| Benzo[k]fluoranthene | ND | ug/Kg | 50 | 1900 | 6400 |
| Chrysene | [3700] | ug/Kg | 50 | 1800 | 5900 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 50 | 1700 | 5700 |
| Dibenzofuran | ND | ug/Kg | 50 | 1600 | 5300 |
| Fluoranthene | [3500] | ug/Kg | 50 | 1900 | 6200 |
| Fluorene | ND | ug/Kg | 50 | 1600 | 5400 |
| Indeno[1,2,3-cd]pyrene | [3800] | ug/Kg | 50 | 1600 | 5200 |
| 1-Methylnaphthalene | ND | ug/Kg | 50 | 1600 | 5300 |
| 2-Methylnaphthalene | ND | ug/Kg | 50 | 1600 | 5200 |
| 2-Methylphenol | ND | ug/Kg | 50 | 1300 | 4300 |
| 3 & 4-Methylphenol | ND | ug/Kg | 50 | 2700 | 9600 |
| Naphthalene | ND | ug/Kg | 50 | 1500 | 5100 |
| Phenanthrene | ND | ug/Kg | 50 | 1800 | 6100 |
| Phenol | ND | ug/Kg | 50 | 1400 | 4700 |
| Pyrene | 6700 | ug/Kg | 50 | 1800 | 5900 |
| Benzo[e]pyrene | [5600] | ug/Kg | 50 | 1900 | 6400 |
| 2-Fluorophenol (SURR**) | 68% | | | | |
| Phenol-d5 (SURR**) | 70% | | | | |
| Nitrobenzene-d5 (SURR**) | 64% | | | | |
| 2-Fluorobiphenyl (SURR**) | 75% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 69% | | | | |
| Terphenyl-d14 (SURR**) | 66% | | | | |

10 mL final extract volume.
Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90297**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 07/14/2005 15:11**

**Sample: 374542** **Soil, NS-S0TP119-0-1** **Collected: 06/13/05** **Analyzed: 06/21/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 5 | 160 | 540 |
| Acenaphthylene | ND | ug/Kg | 5 | 150 | 510 |
| Anthracene | ND | ug/Kg | 5 | 190 | 640 |
| Benzo[a]anthracene | ND | ug/Kg | 5 | 170 | 570 |
| Benzo[a]pyrene | ND | ug/Kg | 5 | 170 | 570 |
| Benzo[b]fluoranthene | ND | ug/Kg | 5 | 190 | 630 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 5 | 160 | 540 |
| Benzo[k]fluoranthene | ND | ug/Kg | 5 | 190 | 640 |
| Chrysene | ND | ug/Kg | 5 | 180 | 590 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 5 | 170 | 570 |
| Dibenzofuran | ND | ug/Kg | 5 | 160 | 530 |
| Fluoranthene | ND | ug/Kg | 5 | 190 | 620 |
| Fluorene | ND | ug/Kg | 5 | 160 | 540 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 5 | 160 | 520 |
| 1-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 530 |
| 2-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 520 |
| 2-Methylphenol | ND | ug/Kg | 5 | 130 | 430 |
| 3 & 4-Methylphenol | ND | ug/Kg | 5 | 270 | 960 |
| Naphthalene | ND | ug/Kg | 5 | 150 | 510 |
| Phenanthrene | ND | ug/Kg | 5 | 180 | 610 |
| Phenol | ND | ug/Kg | 5 | 140 | 470 |
| Pyrene | ND | ug/Kg | 5 | 180 | 590 |
| Benzo[e]pyrene | ND | ug/Kg | 5 | 190 | 640 |
| 2-Fluorophenol (SURR**) | 55% | | | | |
| Phenol-d5 (SURR**) | 67% | | | | |
| Nitrobenzene-d5 (SURR**) | 64% | | | | |
| 2-Fluorobiphenyl (SURR**) | 80% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 79% | | | | |
| Terphenyl-d14 (SURR**) | 72% | | | | |

Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90297**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP Printed: 07/14/2005 15:11**

**Sample: 374543** **Soil, NS-S0TP14-0-1** **Collected: 06/13/05** **Analyzed: 06/21/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 5 | 160 | 540 |
| Acenaphthylene | ND | ug/Kg | 5 | 150 | 510 |
| Anthracene | ND | ug/Kg | 5 | 190 | 640 |
| Benzo[a]anthracene | ND | ug/Kg | 5 | 170 | 570 |
| Benzo[a]pyrene | ND | ug/Kg | 5 | 170 | 570 |
| Benzo[b]fluoranthene | ND | ug/Kg | 5 | 190 | 630 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 5 | 160 | 540 |
| Benzo[k]fluoranthene | ND | ug/Kg | 5 | 190 | 640 |
| Chrysene | ND | ug/Kg | 5 | 180 | 590 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 5 | 170 | 570 |
| Dibenzofuran | ND | ug/Kg | 5 | 160 | 530 |
| Fluoranthene | ND | ug/Kg | 5 | 190 | 620 |
| Fluorene | ND | ug/Kg | 5 | 160 | 540 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 5 | 160 | 520 |
| 1-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 530 |
| 2-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 520 |
| 2-Methylphenol | ND | ug/Kg | 5 | 130 | 430 |
| 3 & 4-Methylphenol | ND | ug/Kg | 5 | 270 | 960 |
| Naphthalene | ND | ug/Kg | 5 | 150 | 510 |
| Phenanthrene | ND | ug/Kg | 5 | 180 | 610 |
| Phenol | ND | ug/Kg | 5 | 140 | 470 |
| Pyrene | ND | ug/Kg | 5 | 180 | 590 |
| Benzo[e]pyrene | ND | ug/Kg | 5 | 190 | 640 |
| 2-Fluorophenol (SURR**) | 60% | | | | |
| Phenol-d5 (SURR**) | 70% | | | | |
| Nitrobenzene-d5 (SURR**) | 67% | | | | |
| 2-Fluorobiphenyl (SURR**) | 80% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 90% | | | | |
| Terphenyl-d14 (SURR**) | 72% | | | | |

Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90297**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 07/14/2005 15:11**

**Sample: 374544** **Soil, NS-S0TP115-0-1** **Collected: 06/13/05** **Analyzed: 06/21/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 5 | 160 | 540 |
| Acenaphthylene | ND | ug/Kg | 5 | 150 | 510 |
| Anthracene | ND | ug/Kg | 5 | 190 | 640 |
| Benzo[a]anthracene | [240] | ug/Kg | 5 | 170 | 570 |
| Benzo[a]pyrene | [360] | ug/Kg | 5 | 170 | 570 |
| Benzo[b]fluoranthene | [360] | ug/Kg | 5 | 190 | 630 |
| Benzo[g,h,i]perylene | [210] | ug/Kg | 5 | 160 | 540 |
| Benzo[k]fluoranthene | ND | ug/Kg | 5 | 190 | 640 |
| Chrysene | [270] | ug/Kg | 5 | 180 | 590 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 5 | 170 | 570 |
| Dibenzofuran | ND | ug/Kg | 5 | 160 | 530 |
| Fluoranthene | [280] | ug/Kg | 5 | 190 | 620 |
| Fluorene | ND | ug/Kg | 5 | 160 | 540 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 5 | 160 | 520 |
| 1-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 530 |
| 2-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 520 |
| 2-Methylphenol | ND | ug/Kg | 5 | 130 | 430 |
| 3 & 4-Methylphenol | ND | ug/Kg | 5 | 270 | 960 |
| Naphthalene | ND | ug/Kg | 5 | 150 | 510 |
| Phenanthrene | ND | ug/Kg | 5 | 180 | 610 |
| Phenol | ND | ug/Kg | 5 | 140 | 470 |
| Pyrene | [470] | ug/Kg | 5 | 180 | 590 |
| Benzo[e]pyrene | [280] | ug/Kg | 5 | 190 | 640 |
| 2-Fluorophenol (SURR**) | 57% | | | | |
| Phenol-d5 (SURR**) | 68% | | | | |
| Nitrobenzene-d5 (SURR**) | 68% | | | | |
| 2-Fluorobiphenyl (SURR**) | 73% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 77% | | | | |
| Terphenyl-d14 (SURR**) | 68% | | | | |

Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90297**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270SNSP** **Printed: 07/14/2005 15:11**

**Sample: 374545** **Soil, NS-S0TP16-0-1** **Collected: 06/13/05** **Analyzed: 06/21/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 5 | 160 | 540 |
| Acenaphthylene | [190] | ug/Kg | 5 | 150 | 510 |
| Anthracene | ND | ug/Kg | 5 | 190 | 640 |
| Benzo[a]anthracene | [280] | ug/Kg | 5 | 170 | 570 |
| Benzo[a]pyrene | [550] | ug/Kg | 5 | 170 | 570 |
| Benzo[b]fluoranthene | [530] | ug/Kg | 5 | 190 | 630 |
| Benzo[g,h,i]perylene | [330] | ug/Kg | 5 | 160 | 540 |
| Benzo[k]fluoranthene | ND | ug/Kg | 5 | 190 | 640 |
| Chrysene | [350] | ug/Kg | 5 | 180 | 590 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 5 | 170 | 570 |
| Dibenzofuran | ND | ug/Kg | 5 | 160 | 530 |
| Fluoranthene | [410] | ug/Kg | 5 | 190 | 620 |
| Fluorene | ND | ug/Kg | 5 | 160 | 540 |
| Indeno[1,2,3-cd]pyrene | [190] | ug/Kg | 5 | 160 | 520 |
| 1-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 530 |
| 2-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 520 |
| 2-Methylphenol | ND | ug/Kg | 5 | 130 | 430 |
| 3 & 4-Methylphenol | ND | ug/Kg | 5 | 270 | 960 |
| Naphthalene | ND | ug/Kg | 5 | 150 | 510 |
| Phenanthrene | ND | ug/Kg | 5 | 180 | 610 |
| Phenol | ND | ug/Kg | 5 | 140 | 470 |
| Pyrene | 640 | ug/Kg | 5 | 180 | 590 |
| Benzo[e]pyrene | [420] | ug/Kg | 5 | 190 | 640 |
| 2-Fluorophenol (SURR**) | 54% | | | | |
| Phenol-d5 (SURR**) | 66% | | | | |
| Nitrobenzene-d5 (SURR**) | 64% | | | | |
| 2-Fluorobiphenyl (SURR**) | 80% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 82% | | | | |
| Terphenyl-d14 (SURR**) | 75% | | | | |

Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90297**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 07/14/2005 15:11**

**Sample: 374546** **Soil, NS-S0TP120-0-1** **Collected: 06/14/05** **Analyzed: 06/21/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 5 | 160 | 540 |
| Acenaphthylene | ND | ug/Kg | 5 | 150 | 510 |
| Anthracene | ND | ug/Kg | 5 | 190 | 640 |
| Benzo[a]anthracene | ND | ug/Kg | 5 | 170 | 570 |
| Benzo[a]pyrene | ND | ug/Kg | 5 | 170 | 570 |
| Benzo[b]fluoranthene | ND | ug/Kg | 5 | 190 | 630 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 5 | 160 | 540 |
| Benzo[k]fluoranthene | ND | ug/Kg | 5 | 190 | 640 |
| Chrysene | ND | ug/Kg | 5 | 180 | 590 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 5 | 170 | 570 |
| Dibenzofuran | ND | ug/Kg | 5 | 160 | 530 |
| Fluoranthene | ND | ug/Kg | 5 | 190 | 620 |
| Fluorene | ND | ug/Kg | 5 | 160 | 540 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 5 | 160 | 520 |
| 1-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 530 |
| 2-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 520 |
| 2-Methylphenol | ND | ug/Kg | 5 | 130 | 430 |
| 3 & 4-Methylphenol | ND | ug/Kg | 5 | 270 | 960 |
| Naphthalene | ND | ug/Kg | 5 | 150 | 510 |
| Phenanthrene | ND | ug/Kg | 5 | 180 | 610 |
| Phenol | ND | ug/Kg | 5 | 140 | 470 |
| Pyrene | [220] | ug/Kg | 5 | 180 | 590 |
| Benzo[e]pyrene | ND | ug/Kg | 5 | 190 | 640 |
| 2-Fluorophenol (SURR**) | 57% | | | | |
| Phenol-d5 (SURR**) | 66% | | | | |
| Nitrobenzene-d5 (SURR**) | 63% | | | | |
| 2-Fluorobiphenyl (SURR**) | 70% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 83% | | | | |
| Terphenyl-d14 (SURR**) | 70% | | | | |

Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90297**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP Printed: 07/14/2005 15:11**

**Sample: 374547 Soil, NS-S0TP11-0-1** **Collected: 06/14/05** **Analyzed: 06/21/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 5 | 160 | 540 |
| Acenaphthylene | ND | ug/Kg | 5 | 150 | 510 |
| Anthracene | ND | ug/Kg | 5 | 190 | 640 |
| Benzo[a]anthracene | ND | ug/Kg | 5 | 170 | 570 |
| Benzo[a]pyrene | ND | ug/Kg | 5 | 170 | 570 |
| Benzo[b]fluoranthene | ND | ug/Kg | 5 | 190 | 630 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 5 | 160 | 540 |
| Benzo[k]fluoranthene | ND | ug/Kg | 5 | 190 | 640 |
| Chrysene | ND | ug/Kg | 5 | 180 | 590 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 5 | 170 | 570 |
| Dibenzofuran | ND | ug/Kg | 5 | 160 | 530 |
| Fluoranthene | ND | ug/Kg | 5 | 190 | 620 |
| Fluorene | ND | ug/Kg | 5 | 160 | 540 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 5 | 160 | 520 |
| 1-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 530 |
| 2-Methylnaphthalene | ND | ug/Kg | 5 | 160 | 520 |
| 2-Methylphenol | ND | ug/Kg | 5 | 130 | 430 |
| 3 & 4-Methylphenol | ND | ug/Kg | 5 | 270 | 960 |
| Naphthalene | ND | ug/Kg | 5 | 150 | 510 |
| Phenanthrene | ND | ug/Kg | 5 | 180 | 610 |
| Phenol | ND | ug/Kg | 5 | 140 | 470 |
| Pyrene | ND | ug/Kg | 5 | 180 | 590 |
| Benzo[e]pyrene | ND | ug/Kg | 5 | 190 | 640 |
| 2-Fluorophenol (SURR**) | 59% | | | | |
| Phenol-d5 (SURR**) | 69% | | | | |
| Nitrobenzene-d5 (SURR**) | 65% | | | | |
| 2-Fluorobiphenyl (SURR**) | 75% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 89% | | | | |
| Terphenyl-d14 (SURR**) | 74% | | | | |

Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90297**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP Printed: 07/14/2005 15:11**

**Sample: 374548** **Soil, NS-S0TP113-0-1** **Collected: 06/14/05** **Analyzed: 06/21/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 50 | 1600 | 5400 |
| Acenaphthylene | ND | ug/Kg | 50 | 1500 | 5100 |
| Anthracene | ND | ug/Kg | 50 | 1900 | 6400 |
| Benzo[a]anthracene | ND | ug/Kg | 50 | 1700 | 5700 |
| Benzo[a]pyrene | [2800] | ug/Kg | 50 | 1700 | 5700 |
| Benzo[b]fluoranthene | [3000] | ug/Kg | 50 | 1900 | 6300 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 50 | 1600 | 5400 |
| Benzo[k]fluoranthene | ND | ug/Kg | 50 | 1900 | 6400 |
| Chrysene | ND | ug/Kg | 50 | 1800 | 5900 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 50 | 1700 | 5700 |
| Dibenzofuran | ND | ug/Kg | 50 | 1600 | 5300 |
| Fluoranthene | ND | ug/Kg | 50 | 1900 | 6200 |
| Fluorene | ND | ug/Kg | 50 | 1600 | 5400 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 50 | 1600 | 5200 |
| 1-Methylnaphthalene | ND | ug/Kg | 50 | 1600 | 5300 |
| 2-Methylnaphthalene | ND | ug/Kg | 50 | 1600 | 5200 |
| 2-Methylphenol | ND | ug/Kg | 50 | 1300 | 4300 |
| 3 & 4-Methylphenol | ND | ug/Kg | 50 | 2700 | 9600 |
| Naphthalene | ND | ug/Kg | 50 | 1500 | 5100 |
| Phenanthrene | ND | ug/Kg | 50 | 1800 | 6100 |
| Phenol | ND | ug/Kg | 50 | 1400 | 4700 |
| Pyrene | [2400] | ug/Kg | 50 | 1800 | 5900 |
| Benzo[e]pyrene | ND | ug/Kg | 50 | 1900 | 6400 |
| 2-Fluorophenol (SURR**) | 72% | | | | |
| Phenol-d5 (SURR**) | 75% | | | | |
| Nitrobenzene-d5 (SURR**) | 69% | | | | |
| 2-Fluorobiphenyl (SURR**) | 88% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 74% | | | | |
| Terphenyl-d14 (SURR**) | 78% | | | | |

10 mL final extract volume.
Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90297**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP Printed: 07/14/2005 15:11**

**Sample: 374549 Soil, NS-S0TP12-0-1** **Collected: 06/14/05** **Analyzed: 06/21/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 50 | 1600 | 5400 |
| Acenaphthylene | ND | ug/Kg | 50 | 1500 | 5100 |
| Anthracene | ND | ug/Kg | 50 | 1900 | 6400 |
| Benzo[a]anthracene | ND | ug/Kg | 50 | 1700 | 5700 |
| Benzo[a]pyrene | ND | ug/Kg | 50 | 1700 | 5700 |
| Benzo[b]fluoranthene | ND | ug/Kg | 50 | 1900 | 6300 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 50 | 1600 | 5400 |
| Benzo[k]fluoranthene | ND | ug/Kg | 50 | 1900 | 6400 |
| Chrysene | ND | ug/Kg | 50 | 1800 | 5900 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 50 | 1700 | 5700 |
| Dibenzofuran | ND | ug/Kg | 50 | 1600 | 5300 |
| Fluoranthene | ND | ug/Kg | 50 | 1900 | 6200 |
| Fluorene | ND | ug/Kg | 50 | 1600 | 5400 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 50 | 1600 | 5200 |
| 1-Methylnaphthalene | ND | ug/Kg | 50 | 1600 | 5300 |
| 2-Methylnaphthalene | ND | ug/Kg | 50 | 1600 | 5200 |
| 2-Methylphenol | ND | ug/Kg | 50 | 1300 | 4300 |
| 3 & 4-Methylphenol | ND | ug/Kg | 50 | 2700 | 9600 |
| Naphthalene | ND | ug/Kg | 50 | 1500 | 5100 |
| Phenanthrene | ND | ug/Kg | 50 | 1800 | 6100 |
| Phenol | ND | ug/Kg | 50 | 1400 | 4700 |
| Pyrene | ND | ug/Kg | 50 | 1800 | 5900 |
| Benzo[e]pyrene | ND | ug/Kg | 50 | 1900 | 6400 |
| 2-Fluorophenol (SURR**) | 69% | | | | |
| Phenol-d5 (SURR**) | 75% | | | | |
| Nitrobenzene-d5 (SURR**) | 66% | | | | |
| 2-Fluorobiphenyl (SURR**) | 85% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 68% | | | | |
| Terphenyl-d14 (SURR**) | 78% | | | | |

10 mL final extract volume.
Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.
The internal standard Perylene-d12 area count recovered outside QC limits. Compound results associated may have a high bias.

** Surrogates are used to evaluate a method's Quality Control.

# ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90297**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: SAT2SNSP** **Printed: 07/14/2005 15:11**

**Sample: 374540** **Soil, NS-S0TP118-0-1** **Collected: 06/13/05** **Analyzed: 06/16/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [23] | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | [31] | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 55 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | [44] | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 93% | | | | |
| Toluene-d8 (SURR**) | 95% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 95% | | | | |

**Sample: 374541** **Soil, NS-S0TP117-0-1** **Collected: 06/13/05** **Analyzed: 06/16/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | [25] | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | [19] | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | 69 | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | [51] | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 90% | | | | |
| Toluene-d8 (SURR**) | 96% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 94% | | | | |

**Sample: 374542** **Soil, NS-S0TP119-0-1** **Collected: 06/13/05** **Analyzed: 06/16/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 93% | | | | |
| Toluene-d8 (SURR**) | 99% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 93% | | | | |

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90297**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: SAT2SNSP** **Printed: 07/14/2005 15:11**

**Sample: 374543** **Soil, NS-S0TP14-0-1** **Collected: 06/13/05** **Analyzed: 06/16/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 97% | | | | |
| Toluene-d8 (SURR**) | 98% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 96% | | | | |

**Sample: 374544** **Soil, NS-S0TP15-0-1** **Collected: 06/13/05** **Analyzed: 06/16/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 98% | | | | |
| Toluene-d8 (SURR**) | 101% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

**Sample: 374545** **Soil, NS-S0TP16-0-1** **Collected: 06/13/05** **Analyzed: 06/16/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 93% | | | | |
| Toluene-d8 (SURR**) | 100% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 97% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90297**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 07/14/2005 15:11**

**Sample: 374546** **Soil, NS-S0TP120-0-1** **Collected: 06/14/05** **Analyzed: 06/16/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [14] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| *Dibromofluoromethane* (SURR**) | 94% | | | | |
| Toluene-d8 (SURR**) | 99% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 97% | | | | |

**Sample: 374547** **Soil, NS-S0TP111-0-1** **Collected: 06/14/05** **Analyzed: 06/16/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | [15] | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 99% | | | | |
| Toluene-d8 (SURR**) | 102% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

**Sample: 374548** **Soil, NS-S0TP113-0-1** **Collected: 06/14/05** **Analyzed: 06/16/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 96% | | | | |
| Toluene-d8 (SURR**) | 100% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 95% | | | | |

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90297**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: SAT2SNSP** **Printed: 07/14/2005 15:11**

**Sample: 374549** **Soil, NS-S0TP12-0-1** **Collected: 06/14/05** **Analyzed: 06/16/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 10% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 90298
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SS16-0-1 NLS ID: 374550**
Ref. Line 1 COC 73785 Soil, NS-SS16-0-1 Matrix: SO
Collected: 06/14/05 12:00 Received: 06/15/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 9100 | mg/Kg DWB | 1 | 7.2 | 27 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.1 | 3.9 | 07/13/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [1.6] | mg/Kg DWB | 20 | 0.88 | 3.1 | 07/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 35 | mg/Kg DWB | 1 | 0.17 | 0.34 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 1.4 | mg/Kg DWB | 10 | 0.34 | 1.2 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.25 | 0.93 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 3600 | mg/Kg DWB | 10 | 52 | 100 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 23 | mg/Kg DWB | 1 | 0.52* | 1.8 | 07/13/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.33 | mg/Kg DWB | 2 | 0.16* | | 06/17/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 23 | mg/Kg DWB | 1 | 0.52 | 1.8 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 12 | mg/Kg DWB | 1 | 0.48 | 1.7 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 36 | mg/Kg DWB | 1 | 0.20 | 0.76 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.11 | 0.33 | 06/21/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 25000 | mg/Kg DWB | 10 | 9.6 | 36 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | ND | mg/Kg DWB | 1 | 5.6 | 20 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 7100 | mg/Kg DWB | 10 | 52 | 100 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 330 | mg/Kg DWB | 1 | 0.11 | 0.34 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.069 | 0.24 | 06/22/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 23 | mg/Kg DWB | 1 | 1.2 | 4.4 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 550 | mg/Kg DWB | 1 | 12 | 45 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.0 | 3.6 | 07/14/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.50 | 1.8 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 91 | mg/Kg DWB | 1 | 1.1 | 4.1 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 91.9 | % | 1 | 0.10* | | 06/17/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.3 | 4.7 | 07/14/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 63 | mg/Kg DWB | 1 | 0.30 | 1.1 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 48 | mg/Kg DWB | 1 | 0.23 | 0.69 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/24/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/16/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/17/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/19/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/16/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 90298
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**Soil, NS-SS18-0-1 NLS ID: 374551**
Ref. Line 2 COC 73785 Soil, NS-SS18-0-1 Matrix: SO
Collected: 06/14/05 12:20 Received: 06/15/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 9900 | mg/Kg DWB | 1 | 7.2 | 27 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.9 | 07/13/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [3.6] | mg/Kg DWB | 20 | 1.1 | 3.9 | 07/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 51 | mg/Kg DWB | 1 | 0.17 | 0.34 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | [0.62] | mg/Kg DWB | 10 | 0.34 | 1.2 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.26 | 0.93 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 4200 | mg/Kg DWB | 10 | 52 | 100 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 21 | mg/Kg DWB | 1 | 0.52* | 1.8 | 07/13/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.21 | mg/Kg DWB | 2 | 0.15* | | 06/17/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 21 | mg/Kg DWB | 1 | 0.52 | 1.8 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 11 | mg/Kg DWB | 1 | 0.48 | 1.7 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 31 | mg/Kg DWB | 1 | 0.20 | 0.76 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | [0.13] | mg/Kg DWB | 1 | 0.11 | 0.32 | 06/21/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 26000 | mg/Kg DWB | 10 | 9.7 | 36 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 29 | mg/Kg DWB | 1 | 5.6 | 20 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 7400 | mg/Kg DWB | 10 | 52 | 100 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 330 | mg/Kg DWB | 1 | 0.11 | 0.34 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.068 | 0.24 | 06/22/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 27 | mg/Kg DWB | 1 | 1.2 | 4.4 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 800 | mg/Kg DWB | 1 | 12 | 45 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.5 | 07/14/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.50 | 1.8 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 140 | mg/Kg DWB | 1 | 1.1 | 4.1 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 92.8 | % | 1 | 0.10* | | 06/17/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.8 | 07/14/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 61 | mg/Kg DWB | 1 | 0.30 | 1.1 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 66 | mg/Kg DWB | 1 | 0.23 | 0.69 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/24/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/16/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/17/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/19/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/16/05 | SW846 3550B | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RIFS/25688375

NLS Project: 90298
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

**Soil, NS-SQDup03-0605 NLS ID: 374552**
Ref. Line 3 COC 73785 Soil, NS-SQDup03-0605 Matrix: SO
Collected: 06/14/05 00:00 Received: 06/15/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. recoverable as Al by ICP | 9300 | mg/Kg DWB | 1 | 7.9 | 29 | 07/02/05 | SW846 6010 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | mg/Kg DWB | 20 | 1.4 | 4.9 | 07/13/05 | SW846 7041 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 4.6 | mg/Kg DWB | 20 | 1.1 | 3.9 | 07/12/05 | SW846 7060 | 721026460 |
| Barium, tot. recoverable as Ba by ICP | 93 | mg/Kg DWB | 1 | 0.19 | 0.38 | 07/07/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP | 0.81 | mg/Kg DWB | 5 | 0.19 | 0.66 | 07/05/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP | ND | mg/Kg DWB | 1 | 0.28 | 1.0 | 07/06/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP | 13000 | mg/Kg DWB | 10 | 57 | 110 | 07/04/05 | SW846 6010 | 721026460 |
| Chromium, trivalent as Cr+3 | 19 | mg/Kg DWB | 1 | 0.57* | 2.0 | 07/13/05 | Calc. | 721026460 |
| Chromium, Hex. as Cr+6 (soil) | 0.65 | mg/Kg DWB | 2 | 0.17* | | 06/17/05 | SW846 3060A | 721026460 |
| Chromium, tot. recoverable as Cr by ICP | 19 | mg/Kg DWB | 1 | 0.57 | 2.0 | 07/06/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP | 6.1 | mg/Kg DWB | 1 | 0.53 | 1.8 | 07/07/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP | 27 | mg/Kg DWB | 1 | 0.22 | 0.83 | 07/06/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) on solids | ND | mg/Kg DWB | 1 | 0.12 | 0.36 | 06/21/05 | EPA 335.4M | 721026460 |
| Iron, tot. recoverable as Fe by ICP | 21000 | mg/Kg DWB | 10 | 11 | 39 | 07/04/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP | 77 | mg/Kg DWB | 1 | 6.1 | 22 | 07/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP | 5200 | mg/Kg DWB | 10 | 57 | 110 | 07/04/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP | 370 | mg/Kg DWB | 1 | 0.12 | 0.38 | 07/07/05 | SW846 6010 | 721026460 |
| Mercury, total as Hg on solids | ND | mg/Kg DWB | 1 | 0.077 | 0.27 | 06/22/05 | SW846 7470A | 721026460 |
| Nickel, tot. recoverable as Ni by ICP | 14 | mg/Kg DWB | 1 | 1.3 | 4.8 | 07/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 1400 | mg/Kg DWB | 1 | 14 | 49 | 07/02/05 | SW846 6010 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | mg/Kg DWB | 20 | 1.3 | 4.4 | 07/14/05 | SW846 7740 | 721026460 |
| Silver, tot. recoverable as Ag by ICP | ND | mg/Kg DWB | 1 | 0.55 | 2.0 | 07/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 78 | mg/Kg DWB | 1 | 1.2 | 4.5 | 07/02/05 | SW846 6010 | 721026460 |
| Solids, total on solids | 82.6 | % | 1 | 0.10* | | 06/17/05 | ASTM D2216 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | mg/Kg DWB | 20 | 1.6 | 5.7 | 07/14/05 | SW846 7841 | 721026460 |
| Vanadium, tot. recoverable as V by ICP | 29 | mg/Kg DWB | 1 | 0.33 | 1.2 | 07/07/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP | 200 | mg/Kg DWB | 1 | 0.25 | 0.75 | 07/06/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov. (solid) GF | yes | | | | | 06/24/05 | SW846 3050M | 721026460 |
| Metals digestion - tot. recov (solid) ICP | yes | | | | | 06/16/05 | SW846 3050M | 721026460 |
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/17/05 | SW846 8260 | 721026460 |
| Semivolatile GC/MS by 8270C (soil) | see attached | | | | | 06/19/05 | SW846 8270C | 721026460 |
| Ultrasonic Extraction by 3550B | yes | | | | | 06/16/05 | SW846 3550B | 721026460 |

**Soil, NS-SQMeOH Blank 4-0605 NLS ID: 374553**
Ref. Line 5 COC 73785 Soil, NS-SQMeOH Blank 4-0605 Matrix: TB
Collected: 06/14/05 00:00 Received: 06/15/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (solid) by EPA 8260 | see attached | | | | | 06/17/05 | SW846 8260 | 721026460 |

NORTHERN LAKE SERVICE, INC.
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 90298
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RIFS/25688375

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90298**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 07/14/2005 15:24**

**Sample: 374550** **Soil, NS-SS16-0-1** **Collected: 06/14/05** **Analyzed: 06/19/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 1 | 32 | 110 |
| Acenaphthylene | ND | ug/Kg | 1 | 31 | 100 |
| Anthracene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[a]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/Kg | 1 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Benzo[g,h,i]perylene | ND | ug/Kg | 1 | 33 | 110 |
| Benzo[k]fluoranthene | ND | ug/Kg | 1 | 38 | 130 |
| Chrysene | ND | ug/Kg | 1 | 36 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 1 | 34 | 110 |
| Dibenzofuran | ND | ug/Kg | 1 | 32 | 110 |
| Fluoranthene | ND | ug/Kg | 1 | 37 | 120 |
| Fluorene | ND | ug/Kg | 1 | 32 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 1 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/Kg | 1 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/Kg | 1 | 31 | 100 |
| 2-Methylphenol | ND | ug/Kg | 1 | 26 | 87 |
| 3 & 4-Methylphenol | ND | ug/Kg | 1 | 55 | 190 |
| Naphthalene | ND | ug/Kg | 1 | 31 | 100 |
| Phenanthrene | ND | ug/Kg | 1 | 37 | 120 |
| Phenol | ND | ug/Kg | 1 | 28 | 94 |
| Pyrene | ND | ug/Kg | 1 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/Kg | 1 | 38 | 130 |
| 2-Fluorophenol (SURR**) | 64% | | | | |
| Phenol-d5 (SURR**) | 66% | | | | |
| Nitrobenzene-d5 (SURR**) | 66% | | | | |
| 2-Fluorobiphenyl (SURR**) | 72% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 86% | | | | |
| Terphenyl-d14 (SURR**) | 57% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90298**

**Project Description: Xcel RIFS/25688375**

***Project Title:*** ***Template: 8270SNSP*** ***Printed: 07/14/2005 15:24***

**Sample: 374551** **Soil, NS-SS18-0-1** **Collected: 06/14/05** **Analyzed: 06/19/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 2 | 65 | 220 |
| Acenaphthylene | ND | ug/Kg | 2 | 61 | 200 |
| Anthracene | ND | ug/Kg | 2 | 77 | 260 |
| Benzo[a]anthracene | [160] | ug/Kg | 2 | 68 | 230 |
| Benzo[a]pyrene | [170] | ug/Kg | 2 | 68 | 230 |
| Benzo[b]fluoranthene | [230] | ug/Kg | 2 | 75 | 250 |
| Benzo[g,h,i]perylene | [82] | ug/Kg | 2 | 65 | 220 |
| Benzo[k]fluoranthene | [86] | ug/Kg | 2 | 76 | 250 |
| Chrysene | [180] | ug/Kg | 2 | 71 | 240 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 2 | 68 | 230 |
| Dibenzofuran | ND | ug/Kg | 2 | 63 | 210 |
| Fluoranthene | 310 | ug/Kg | 2 | 75 | 250 |
| Fluorene | ND | ug/Kg | 2 | 65 | 220 |
| Indeno[1,2,3-cd]pyrene | ND | ug/Kg | 2 | 62 | 210 |
| 1-Methylnaphthalene | ND | ug/Kg | 2 | 63 | 210 |
| 2-Methylnaphthalene | ND | ug/Kg | 2 | 62 | 210 |
| 2-Methylphenol | ND | ug/Kg | 2 | 52 | 170 |
| 3 & 4-Methylphenol | ND | ug/Kg | 2 | 110 | 390 |
| Naphthalene | ND | ug/Kg | 2 | 61 | 200 |
| Phenanthrene | [100] | ug/Kg | 2 | 73 | 240 |
| Phenol | ND | ug/Kg | 2 | 56 | 190 |
| Pyrene | 340 | ug/Kg | 2 | 71 | 240 |
| Benzo[e]pyrene | [140] | ug/Kg | 2 | 76 | 250 |
| 2-Fluorophenol (SURR**) | 62% | | | | |
| Phenol-d5 (SURR**) | 69% | | | | |
| Nitrobenzene-d5 (SURR**) | 69% | | | | |
| 2-Fluorobiphenyl (SURR**) | 78% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 80% | | | | |
| Terphenyl-d14 (SURR**) | 58% | | | | |

Diluted due to sample matrix in order to prevent further instrument contamination.
Reanalysis at a lower dilution is not possible due to sample matrix.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Soil

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90298**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270SNSP** **Printed: 07/14/2005 15:24**

**Sample: 374552** **Soil, NS-SQDup03-0605** **Collected: 06/14/05** **Analyzed: 06/19/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/Kg | 10 | 320 | 1100 |
| Acenaphthylene | 1700 | ug/Kg | 10 | 310 | 1000 |
| Anthracene | [680] | ug/Kg | 10 | 380 | 1300 |
| Benzo[a]anthracene | 3100 | ug/Kg | 10 | 340 | 1100 |
| Benzo[a]pyrene | 3400 | ug/Kg | 10 | 340 | 1100 |
| Benzo[b]fluoranthene | 3500 | ug/Kg | 10 | 380 | 1300 |
| Benzo[g,h,i]perylene | [1000] | ug/Kg | 10 | 330 | 1100 |
| Benzo[k]fluoranthene | 1500 | ug/Kg | 10 | 380 | 1300 |
| Chrysene | 3000 | ug/Kg | 10 | 360 | 1200 |
| Dibenzo[a,h]anthracene | ND | ug/Kg | 10 | 340 | 1100 |
| Dibenzofuran | ND | ug/Kg | 10 | 320 | 1100 |
| Fluoranthene | 4800 | ug/Kg | 10 | 370 | 1200 |
| Fluorene | ND | ug/Kg | 10 | 320 | 1100 |
| Indeno[1,2,3-cd]pyrene | [710] | ug/Kg | 10 | 310 | 1000 |
| 1-Methylnaphthalene | ND | ug/Kg | 10 | 320 | 1100 |
| 2-Methylnaphthalene | ND | ug/Kg | 10 | 310 | 1000 |
| 2-Methylphenol | ND | ug/Kg | 10 | 260 | 870 |
| 3 & 4-Methylphenol | ND | ug/Kg | 10 | 550 | 1900 |
| Naphthalene | ND | ug/Kg | 10 | 310 | 1000 |
| Phenanthrene | [750] | ug/Kg | 10 | 370 | 1200 |
| Phenol | ND | ug/Kg | 10 | 280 | 940 |
| Pyrene | 7100 | ug/Kg | 10 | 360 | 1200 |
| Benzo[e]pyrene | 2000 | ug/Kg | 10 | 380 | 1300 |
| 2-Fluorophenol (SURR**) | 63% | | | | |
| Phenol-d5 (SURR**) | 68% | | | | |
| Nitrobenzene-d5 (SURR**) | 67% | | | | |
| 2-Fluorobiphenyl (SURR**) | 70% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 75% | | | | |
| Terphenyl-d14 (SURR**) | 54% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

# ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90298**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: SAT2SNSP Printed: 07/14/2005 15:24**

**Sample: 374550 Soil, NS-SS16-(-1** **Collected: 06/14/05** **Analyzed: 06/17/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 99% | | | | |
| Toluene-d8 (SURR**) | 107% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 103% | | | | |

**Sample: 374551 Soil, NS-SS18-(-1** **Collected: 06/14/05** **Analyzed: 06/17/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 97% | | | | |
| Toluene-d8 (SURR**) | 101% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

**Sample: 374552 Soil, NS-SQDup03-0605** **Collected: 06/14/05** **Analyzed: 06/17/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 98% | | | | |
| Toluene-d8 (SURR**) | 101% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Soil - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 90298**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2SNSP** **Printed: 07/14/2005 15:25**

**Sample: 374553** **Soil, NS-SQMeOH Blank 4-0605** **Collected: 06/14/05** **Analyzed: 06/17/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/kg | 1 | 15 | 51 |
| sec-Butylbenzene | ND | ug/kg | 1 | 19 | 64 |
| Ethylbenzene | ND | ug/kg | 1 | 15 | 52 |
| ortho-Xylene | ND | ug/kg | 1 | 13 | 42 |
| Styrene | ND | ug/kg | 1 | 17 | 58 |
| Toluene | ND | ug/kg | 1 | 11 | 34 |
| 1,2,4-Trimethylbenzene | ND | ug/kg | 1 | 15 | 49 |
| 1,3,5-Trimethylbenzene | ND | ug/kg | 1 | 16 | 55 |
| meta,para-Xylene | ND | ug/kg | 1 | 25 | 89 |
| 1,2,3-Trimethylbenzene | ND | ug/kg | 1 | 19 | 63 |
| Dibromofluoromethane (SURR**) | 96% | | | | |
| Toluene-d8 (SURR**) | 102% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD


**NORTHERN LAKE SERVICE, INC.**

*Analytical Laboratory and Environmental Services*

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

*Wisconsin Lab Cert. No. 721026460*

*WI DATCP 105-000330*


NO. 80118

| | |
|---|---|
| CLIENT | URS |
| ADDRESS | 10200 INNOVATION DRIVE STE 500 |
| CITY / STATE / ZIP | MILWAUKEE / WI / 53226 |
| PROJECT DESCRIPTION / NO. | XCEL RIFS / 25688357.5 |
| QUOTATION NO. | |
| DNR FID # | |
| DNR LICENSE # | |
| CONTACT | PAUL SKLAR |
| PHONE | 414-831-4150 |
| PURCHASE ORDER NO. | |
| FAX | 414-831-4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS

| ITEM NO. | NLS LAB NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | | VOC 8260 | SVOC 8270 | METALS | CYANIDE | HEXACHROME | % SOLIDS | | | | | | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 373651 | NS-SS14-0-1 | 6/7/05 | 1330 | SOIL | | 2 | 2 | ✓ | ✓ | ✓ | ✓ | | | | | | |
| 2. | 373652 | NS-SS21-0-1 | | 1340 | | | | | | | | | | | | | | |
| 3. | 373653 | NS-SS12-0-1 | | 1730 | | | | | | | | | | | | | | |
| 4 | 373654 | NS-SS13-0-1 | | 1740 | | | | | | | | | | | | | | |
| 5 | 373655 | NS-SS11-0-1 | 6/8/05 | 1250 | | | | | | | | | | | | | | |
| 6 | 373656 | NS-SOTP101-0-1 | | 1310 | | | | | | | | | | | | | | |
| 7. | 373657 | NS-SOTP103-0-1 | | 1340 | | | | | | | | | | | | | | |
| 8. | 373658 | NS-SOTP107-0-1 | | 1410 | | | | | | | | | | | | | | |
| 9. | | NS-SQEqptBlank1-060605 | | 1400 | AQ | | 3 | 2 | ✓ | ✓ | ✓ | ~~✓~~ | | | | | | |
| 10. | 373659 | NS-SQMeOHblank1-060605 | | | MeOH | | 1 | | | | | | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature) | CUSTODY SEAL NO. (IF ANY) | DATE/TIME |
| RELINQUISHED BY (signature) | RECEIVED BY (signature) | DATE/TIME 6/8/05 1500 |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT: UPS | DATE/TIME |

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature) | DATE/TIME 6-9-05 10:30 | CONDITION Good | TEMP. on ICE |
| COOLER # 48-152 | REMARKS & OTHER INFORMATION | | |
| | WDNR FACILITY NUMBER | E-MAIL ADDRESS | |

REPORT TO: PAUL SKLAR

INVOICE TO: PAUL SKLAR

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

**IMPORTANT:**

1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD


**NORTHERN LAKE SERVICE, INC.**

*Analytical Laboratory and Environmental Services*

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

*Wisconsin Lab Cert. No. 721026460*

*WI DATCP 105-000330*


1/2

NO. 80119

| | |
|---|---|
| CLIENT | URS |
| ADDRESS | 10200 INNOVATION DR. STE 500 |
| CITY / STATE / ZIP | MILWAUKEE / WI / 53226 |
| PROJECT DESCRIPTION / NO. | XCEL RI/FS / 25688375 |
| QUOTATION NO. | |
| DNR FID # | |
| DNR LICENSE # | |
| CONTACT | PAUL SKLAR |
| PHONE | 414 831-4150 |
| PURCHASE ORDER NO. | |
| FAX | 414 831-4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

| ITEM NO. | NLS LAB. NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | ANALYZE PER ORDER OF ANALYSIS: VOC 8260 | SVOC 8270 | METALS | CYANIDE | HEXAVALENT CHROME | % SOLIDS | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 374033 | NS-SOTP100-0-1 | 6/8/05 | 1545 | SOIL | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 2. | 374034 | NS-SOTP101-0-1 | | 1620 | | | | | | | | |
| 3. | 374035 | NS-SOTP106-0-1 | | 1645 | | | | | | | | |
| 4. | 374036 | NS-SOTP108-0-1 | | 1710 | | | | | | | | |
| 5. | 374037 | NS-SOTP109-0-1 | | 1715 | | | | | | | | |
| 6. | 374038 | NS-SOTP110-0-1 | | 1730 | | | | | | | | |
| 7. | 374039 | NS-SS19-0-1 | | 1750 | | | | | | | | |
| 8. | 374040 | NS-SS20-0-1 | | 1800 | | | | | | | | |
| 9. | 374041 | NS-SS15-0-1 | | 1810 | | | | | | | | |
| 10. | 374042 | NS-SS17-0-1 | | 1820 | | | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature) | CUSTODY SEAL NO. (IF ANY) | DATE/TIME |
| RELINQUISHED BY (signature) | RECEIVED BY (signature) | DATE/TIME 6/9/05 1500 |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT: UPS | DATE/TIME |

REPORT TO: PAUL SKLAR

INVOICE TO: PAUL SKLAR

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature) | DATE/TIME 6-10-05 10:15 | CONDITION Good | TEMP. ON ICE |
| COOLER # 50-2 | REMARKS & OTHER INFORMATION | | |
| | WDNR FACILITY NUMBER | E-MAIL ADDRESS | |

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

**IMPORTANT:**

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2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** A O STANDARD TERMS & CONDITIONS ON REVERSE.

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD


**NORTHERN LAKE SERVICE, INC.**
*Analytical Laboratory and Environmental Services*
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060


*Wisconsin Lab Cert. No. 721026460*
*WI DATCP 105-000330*

2/2

| | |
|---|---|
| CLIENT | URS |
| ADDRESS | 10220 INNOVATION DR STE 500 |
| CITY / STATE / ZIP | MILWAUKEE / WI / 53226 |
| PROJECT DESCRIPTION / NO. | KOHL BLVD / 2570 84 32 — |
| QUOTATION NO. | |
| DNR FID # | |
| DNR LICENSE # | |
| CONTACT | PAUL SKLAR |
| PHONE | 414 351-4150 |
| PURCHASE ORDER NO. | |
| FAX | 414 351-4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

NO. 80122

| ITEM NO. | | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | ANALYZE PER ORDER OF ANALYSIS: VOC 8260 | SVOC 8270 | METALS | CYANIDE | TEX (Additional) | % SOLID | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | | NLS-SB-TP102-5-6 | 6/9/05 | 0730 | Soil | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | MS/MSD |
| 2. | | NLS-SB-TP105-6-7 | 6/9/05 | 0745 | Soil | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 3. | | NLS-SB-TP101-0605 | | | Soil | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 4. | | NLS-SB-Dup-060605 | | | Soil | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 5. | 374032 | NLS-SB-Equipment Blank-060 | 6/9/05 | 1330 | AQ | ✓ | ✓ | ✓ | ✓ | ✓ | | Use Other as Filtered |
| 6 | | NLS-Grab Ground Water-060 | | | Water | ✓ | | | | | | |
| 7. | | NLS-SB-Mercury Blank-060 | | | Water | ✓ | | | | | | |
| 8. | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature) | CUSTODY SEAL NO. (IF ANY) | DATE/TIME |
| RELINQUISHED BY (signature) | RECEIVED BY (signature) | DATE/TIME 6/10/05 1500 |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT UPS | DATE/TIME |

REPORT TO: Paul Sklar

INVOICE TO: Paul Sklar

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature) | DATE/TIME 6-10-05 10:15 | CONDITION See comment | TEMP. On ICE |
| COOLER # 48-174 | REMARKS & OTHER INFORMATION | | |
| | WDNR FACILITY NUMBER | E-MAIL ADDRESS | |

PRESERVATIVE: N = nitric acid; O/H = sodium hydroxide; NP = no preservative; Z = zinc acetate; HA = hydrochloric & ascorbic acid; S = sulfuric acid; M = methanol; H = hydrochloric acid

1. TO MEET REGULATORY REQUIREMENTS, THIS FORM MUST BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
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Bottle 1 liter Amber bottles for Group 2 were received broken

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD


**NORTHERN LAKE SERVICE, INC.**

*Analytical Laboratory and Environmental Services*

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060


*Wisconsin Lab Cert. No. 721026460*

*WI DATCP 105-000330*

1/2

NO. 76426

| | | | |
|---|---|---|---|
| CLIENT: URS | | | |
| ADDRESS: 10200 INNOVATION DR. STE 500 | | | |
| CITY: MILWAUKEE | STATE: WI | ZIP: 53226 | |
| PROJECT DESCRIPTION / NO.: XCEL RIFS / 25688375 | | QUOTATION NO. | |
| DNR FID # | DNR LICENSE # | | |
| CONTACT: PAUL SKLAR | PHONE: 414 831-4150 | | |
| PURCHASE ORDER NO. | FAX: 414 831-4101 | | |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

| ITEM NO. | NLS LAB NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | ANALYZE PER ORDER OF ANALYSIS: ✓ VOC 8260 | ✓ SVOC 8270 | ✓ METALS | ✓ CYANIDE | ✓ HEX CHROMIUM | ✓ % SOLID | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 374540 | NS-SOTP118-0-1 | 6/13/05 | 1220 | SOIL | | | | | | | |
| 2. | 374541 | NS-SOTP117-0-1 | | 1410 | | | | | | | | |
| 3. | 374542 | NS-SOTP119-0-1 | | 1530 | | | | | | | | |
| 4. | 374543 | NS-SOTP114-0-1 | | 1545 | | | | | | | | |
| 5. | 374544 | NS-SOTP115-0-1 | | 1600 | | | | | | | | |
| 6. | 374545 | NS-SOTP116-0-1 | | 1615 | | | | | | | | |
| 7. | 374546 | NS-SOTP120-0-1 | 6/14/05 | 0930 | | | | | | | | |
| 8. | 374547 | NS-SOTP111-0-1 | | 0955 | | | | | | | | |
| 9. | 374548 | NS-SOTP113-0-1 | | 1040 | | | | | | | | |
| 10. | 374549 | NS-SOTP112-0-1 | | 1145 | | | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature): [signature] | CUSTODY SEAL NO. (IF ANY) | DATE/TIME: 6/14/05 |
| RELINQUISHED BY (signature): [signature] | RECEIVED BY (signature) | DATE/TIME: 6/14/05 1500 |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT: UPS | DATE/TIME |

REPORT TO: PAUL SKLAR

INVOICE TO: PAUL SKLAR

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature): [signature] | DATE/TIME: 6-15-05 10:15 | CONDITION: GOOD | TEMP.: ON ICE |
| COOLER # 48-101 | REMARKS & OTHER INFORMATION | | |
| | WDNR FACILITY NUMBER | E-MAIL ADDRESS | |

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

**IMPORTANT:**

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ORIGINAL COPY

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

## NORTHERN LAKE SERVICE, INC.

*Analytical Laboratory and Environmental Services*

400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060

*Wisconsin Lab Cert. No. 721026460*
*WI DATCP 105-000330*

2/2

| | |
|---|---|
| CLIENT | URS |
| ADDRESS | 10200 INNOVATION DR. STE 300 |
| CITY / STATE / ZIP | MILWAUKEE WI 53226 |
| PROJECT DESCRIPTION / NO. | XCEL RIFS / 25688375 |
| QUOTATION NO. | |
| DNR FID # | |
| DNR LICENSE # | |
| CONTACT | PAUL SKLAR |
| PHONE | 414 831-4150 |
| PURCHASE ORDER NO. | |
| FAX | 414 831-4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

NO. 73785

| ITEM NO. | NLS LAB. NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | ANALYZE PER ORDER OF ANALYSIS | VOL 8260 | SVOC 8270 | METALS | CYANIDE | HEX CHROMIUM | % SOLIDS | N | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | | NS-SS16-0-1 | 6/14/05 | 1200 | Soil | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| 2. | | NS-SS18-0-1 | 6/14/05 | 1220 | Soil | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| 3. | | NS-SQDUP03-0605 | | | Soil | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| 4. | | NS-SQEquipBlankR03-0605 | 6/14/05 | 1315 | AQ | | ✓ | ✓ | ✓ | ✓ | ✓ | | | |
| 5. | | NS-SQMeOHBlankR4-0605 | | | MeOH | | ✓ | | | | | | | |
| 6. | | | | | | | | | | | | | | |
| 7. | | | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature) | CUSTODY SEAL NO. (IF ANY) | DATE/TIME 6/14/05 |
| RELINQUISHED BY (signature) | RECEIVED BY (signature) | DATE/TIME 6/14/05 1500 |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT: UPS | DATE/TIME |

REPORT TO: PAUL SKLAR

INVOICE TO: PAUL SKLAR

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature) | DATE/TIME 6-15-05 10:15 | CONDITION Good | TEMP. on ICE |
| COOLER # 48-101 | REMARKS & OTHER INFORMATION | | |
| | WDNR FACILITY NUMBER | E-MAIL ADDRESS | |

PRESERVATIVE: NP = no preservative; S = sulfuric acid; N = nitric acid; Z = zinc acetate; M = methanol; OH = sodium hydroxide; HA = hydrochloric & ascorbic acid; H = hydrochloric acid

**IMPORTANT:**

1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
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ORIGINAL COPY

# APPENDIX E2

# GROUNDWATER SAMPLES

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NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 82040
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel Ashland - 25688375

**NS-GW-MW-13C-0604 NLS ID: 341813**
Ref. Line 1 COC 69743 NS-GW-MW-13C-0604 Matrix: GW
Collected: 06/14/04 10:30 Received: 06/15/04
Notes: Hexavalent chromium was collected after 13:00.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.017 | mg/L | 1 | 0.0042 | 0.015 | 06/16/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0070] | mg/L | 1 | 0.0042 | 0.015 | 06/16/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 06/29/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 06/29/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [4.2] | ug/L | 1 | 2.6 | 9.0 | 06/30/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 06/30/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 87 | ug/L | 1 | 2.5* | 5.0 | 06/16/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 86 | ug/L | 1 | 2.5* | 5.0 | 06/16/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/16/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/16/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/16/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/16/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 22 | mg/L | 1 | 0.15* | 0.30 | 06/16/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 23 | mg/L | 1 | 0.15* | 0.30 | 06/16/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | | 3.6* | | 06/15/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | | 3.6* | | 06/22/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [0.82] | ug/L | 1 | 0.51 | 1.8 | 06/16/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.79] | ug/L | 1 | 0.51 | 1.8 | 06/16/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 06/16/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 06/16/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 06/21/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | [0.036] | mg/L | 1 | 0.033 | 0.10 | 06/16/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 06/16/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | [2.3] | ug/L | 1 | 0.87 | 3.0 | 06/16/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 06/16/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 6.9 | mg/L | 1 | 0.15* | 0.30 | 06/16/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 7.0 | mg/L | 1 | 0.15* | 0.30 | 06/16/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 49 | ug/L | 1 | 1.0* | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 49 | ug/L | 1 | 1.0* | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/18/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/18/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.2] | ug/L | 1 | 0.67 | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 3.0 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 3.0 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 06/28/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 06/28/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 14 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 14 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 06/25/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82040
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland - 25688375

**NS-GW-MW-13C-0604 NLS ID: 341813**
Ref. Line 1 COC 69743 NS-GW-MW-13C-0604 Matrix: GW
Collected: 06/14/04 10:30 Received: 06/15/04
Notes: Hexavalent chromium was collected after 13:00.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 06/28/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 06/16/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 06/16/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/15/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/15/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/17/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/17/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/21/04 | SW846 8270C | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82040
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland - 25688375

**NS-GW-MW-13D-0604 NLS ID: 341814**
Ref. Line 2 COC 69743 NS-GW-MW-13D-0604 Matrix: GW
Collected: 06/14/04 10:35 Received: 06/15/04
Notes: Hexavalent chromium was collected after 13:00.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.054 | mg/L | 1 | 0.0042 | 0.015 | 06/16/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0080] | mg/L | 1 | 0.0042 | 0.015 | 06/16/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 06/29/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 06/29/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 06/30/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 06/30/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 77 | ug/L | 1 | 2.5* | 5.0 | 06/16/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 77 | ug/L | 1 | 2.5* | 5.0 | 06/16/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/16/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/16/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/16/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/16/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 25 | mg/L | 1 | 0.15* | 0.30 | 06/16/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 26 | mg/L | 1 | 0.15* | 0.30 | 06/16/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 06/15/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 06/22/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [0.83] | ug/L | 1 | 0.51 | 1.8 | 06/16/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.75] | ug/L | 1 | 0.51 | 1.8 | 06/16/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 4.0 | ug/L | 1 | 1.3 | 4.0 | 06/16/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 06/16/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 06/21/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | [0.097] | mg/L | 1 | 0.033 | 0.10 | 06/16/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 06/16/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | [1.5] | ug/L | 1 | 0.87 | 3.0 | 06/16/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 06/16/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 7.6 | mg/L | 1 | 0.15* | 0.30 | 06/16/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 7.9 | mg/L | 1 | 0.15* | 0.30 | 06/16/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 80 | ug/L | 1 | 1.0* | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 77 | ug/L | 1 | 1.0* | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/18/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/18/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [0.71] | ug/L | 1 | 0.67 | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.0 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 3.9 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | [2.7] | ug/L | 1 | 1.6 | 5.5 | 06/28/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | [1.7] | ug/L | 1 | 1.6 | 5.5 | 06/28/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 22 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 22 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 06/25/04 | SW846 7841 | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82040
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland - 25688375

**NS-GW-MW-13D-0604 NLS ID: 341814**
Ref. Line 2 COC 69743 NS-GW-MW-13D-0604 Matrix: GW
Collected: 06/14/04 10:35 Received: 06/15/04
Notes: Hexavalent chromium was collected after 13:00.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 06/28/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | [8.7] | ug/L | 1 | 5.0* | 10 | 06/16/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 06/16/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/15/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/15/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/17/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/17/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/21/04 | SW846 8270C | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82040
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland - 25688375

**NS-GW-MW-9A-0604 NLS ID: 341815**
Ref. Line 3 COC 69743 NS-GW-MW-9A-0604 Matrix: GW
Collected: 06/14/04 12:40 Received: 06/15/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.12 | mg/L | 1 | 0.0042 | 0.015 | 06/16/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0080] | mg/L | 1 | 0.0042 | 0.015 | 06/16/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 06/29/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 06/29/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [3.4] | ug/L | 1 | 2.6 | 9.0 | 06/30/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [3.5] | ug/L | 1 | 2.6 | 9.0 | 06/30/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 65 | ug/L | 1 | 2.5* | 5.0 | 06/16/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 62 | ug/L | 1 | 2.5* | 5.0 | 06/16/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/16/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/16/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/16/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/16/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 22 | mg/L | 1 | 0.15* | 0.30 | 06/16/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 22 | mg/L | 1 | 0.15* | 0.30 | 06/16/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 06/15/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 06/22/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [1.1] | ug/L | 1 | 0.51 | 1.8 | 06/16/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 06/16/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 06/16/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 06/16/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 06/21/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 0.15 | mg/L | 1 | 0.033 | 0.10 | 06/16/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 06/16/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 3.9 | ug/L | 1 | 0.87 | 3.0 | 06/16/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 06/16/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 6.9 | mg/L | 1 | 0.15* | 0.30 | 06/16/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 6.9 | mg/L | 1 | 0.15* | 0.30 | 06/16/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 57 | ug/L | 1 | 1.0* | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 55 | ug/L | 1 | 1.0* | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/18/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/18/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 3.0 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 2.8 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 06/28/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | [1.6] | ug/L | 1 | 1.6 | 5.5 | 06/28/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 15 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 15 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 06/25/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 06/28/04 | SW846 7841 | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82040
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland - 25688375

**NS-GW-MW-9A-0604 NLS ID: 341815**
Ref. Line 3 COC 69743 NS-GW-MW-9A-0604 Matrix: GW
Collected: 06/14/04 12:40 Received: 06/15/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, tot. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 14 | ug/L | 1 | 5.0* | 10 | 06/16/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 06/16/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/15/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/15/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/17/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/17/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/21/04 | SW846 8270C | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82040
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland - 25688375

**NS-GW-MW-9-0604 NLS ID: 341816**
Ref. Line 4 COC 69743 NS-GW-MW-9-0604 Matrix: GW
Collected: 06/14/04 13:00 Received: 06/15/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 4.6 | mg/L | 1 | 0.0042 | 0.015 | 06/16/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | 0.028 | mg/L | 1 | 0.0042 | 0.015 | 06/16/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 06/29/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 06/29/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 06/30/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [6.4] | ug/L | 1 | 2.6 | 9.0 | 06/30/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 250 | ug/L | 1 | 2.5* | 5.0 | 06/16/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 200 | ug/L | 1 | 2.5* | 5.0 | 06/16/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/16/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/16/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | [0.34] | ug/L | 1 | 0.17 | 0.50 | 06/16/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/16/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 100 | mg/L | 1 | 0.15* | 0.30 | 06/16/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 99 | mg/L | 1 | 0.15* | 0.30 | 06/16/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 06/15/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 9.5 | ug/L | 1 | 3.6* | | 06/22/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 9.5 | ug/L | 1 | 0.51 | 1.8 | 06/16/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [1.6] | ug/L | 1 | 0.51 | 1.8 | 06/16/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 3.7 | ug/L | 1 | 0.67 | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | [1.8] | ug/L | 1 | 0.67 | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 39 | ug/L | 1 | 1.3 | 4.0 | 06/16/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 06/16/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | 0.075 | mg/L | 1 | 0.0050 | 0.015 | 06/21/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 21 | mg/L | 1 | 0.033 | 0.10 | 06/16/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 15 | mg/L | 1 | 0.033 | 0.10 | 06/16/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 14 | ug/L | 1 | 0.87 | 3.0 | 06/16/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 06/16/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 16 | mg/L | 1 | 0.15* | 0.30 | 06/16/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 14 | mg/L | 1 | 0.15* | 0.30 | 06/16/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 800 | ug/L | 1 | 1.0* | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 740 | ug/L | 1 | 1.0* | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/18/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/18/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 9.8 | ug/L | 1 | 0.67 | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.9] | ug/L | 1 | 0.67 | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 8.1 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 9.3 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 06/28/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | [1.7] | ug/L | 1 | 1.6 | 5.5 | 06/28/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 26 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 27 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 06/25/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 06/28/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82040
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland - 25688375

**NS-GW-MW-9-0604 NLS ID: 341816**
Ref. Line 4 COC 69743 NS-GW-MW-9-0604 Matrix: GW
Collected: 06/14/04 13:00 Received: 06/15/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, tot. as V by ICP-Trace | 12 | ug/L | 1 | 0.67 | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [1.6] | ug/L | 1 | 0.67 | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 130 | ug/L | 1 | 5.0* | 10 | 06/16/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | 11 | ug/L | 1 | 5.0* | 10 | 06/16/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/15/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/15/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/17/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/17/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/21/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82040
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland - 25688375

**NS-GW-MW-9C-0604 NLS ID: 341817**
Ref. Line 5 COC 69743 NS-GW-MW-9C-0604 Matrix: GW
Collected: 06/14/04 13:30 Received: 06/15/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | [0.011] | mg/L | 1 | 0.0042 | 0.015 | 06/16/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0070] | mg/L | 1 | 0.0042 | 0.015 | 06/16/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 06/29/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 06/29/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 06/30/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 06/30/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 55 | ug/L | 1 | 2.5* | 5.0 | 06/16/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 55 | ug/L | 1 | 2.5* | 5.0 | 06/16/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/16/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/16/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/16/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/16/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 25 | mg/L | 1 | 0.15* | 0.30 | 06/16/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 25 | mg/L | 1 | 0.15* | 0.30 | 06/16/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 06/15/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 06/22/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [1.0] | ug/L | 1 | 0.51 | 1.8 | 06/16/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.73] | ug/L | 1 | 0.51 | 1.8 | 06/16/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 06/16/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 06/16/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 06/21/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 06/16/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 06/16/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | [1.9] | ug/L | 1 | 0.87 | 3.0 | 06/16/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [0.94] | ug/L | 1 | 0.87 | 3.0 | 06/16/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 7.4 | mg/L | 1 | 0.15* | 0.30 | 06/16/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 7.5 | mg/L | 1 | 0.15* | 0.30 | 06/16/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 64 | ug/L | 1 | 1.0* | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 64 | ug/L | 1 | 1.0* | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/18/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/18/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 3.2 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 2.9 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 06/28/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | [1.8] | ug/L | 1 | 1.6 | 5.5 | 06/28/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 18 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 18 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 06/25/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 06/28/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
*10200 West Innovation Drive #500*
Milwaukee,WI 53226 4827

NLS Project: 82040
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland - 25688375

**NS-GW-MW-9C-0604 NLS ID: 341817**
Ref. Line 5 COC 69743 NS-GW-MW-9C-0604 Matrix: GW
Collected: 06/14/04 13:30 Received: 06/15/04

| *Parameter* | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, tot. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 06/16/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 06/16/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/15/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/15/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/17/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/17/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/21/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82040
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland - 25688375

**NS-GW-MW-9B-0604 NLS ID: 341818**
Ref. Line 6 COC 69743 NS-GW-MW-9B-0604 Matrix: GW
Collected: 06/14/04 13:45 Received: 06/15/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.021 | mg/L | 1 | 0.0042 | 0.015 | 06/16/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0090] | mg/L | 1 | 0.0042 | 0.015 | 06/16/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 06/29/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 06/29/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [4.7] | ug/L | 1 | 2.6 | 9.0 | 06/30/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 06/30/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 140 | ug/L | 1 | 2.5* | 5.0 | 06/16/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 140 | ug/L | 1 | 2.5* | 5.0 | 06/16/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/16/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/16/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/16/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/16/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 45 | mg/L | 1 | 0.15* | 0.30 | 06/16/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 46 | mg/L | 1 | 0.15* | 0.30 | 06/16/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 06/15/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 06/22/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [0.91] | ug/L | 1 | 0.51 | 1.8 | 06/16/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.79] | ug/L | 1 | 0.51 | 1.8 | 06/16/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 06/16/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 06/16/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | 0.030 | mg/L | 1 | 0.0050 | 0.015 | 06/21/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 2.3 | mg/L | 1 | 0.033 | 0.10 | 06/16/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 2.3 | mg/L | 1 | 0.033 | 0.10 | 06/16/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | [1.7] | ug/L | 1 | 0.87 | 3.0 | 06/16/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 06/16/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 11 | mg/L | 1 | 0.15* | 0.30 | 06/16/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 11 | mg/L | 1 | 0.15* | 0.30 | 06/16/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 430 | ug/L | 1 | 1.0* | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 430 | ug/L | 1 | 1.0* | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/18/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/18/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.9 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 4.7 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 06/28/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 06/28/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 24 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 24 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 06/25/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 06/28/04 | SW846 7841 | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
***400 North Lake Avenue - Crandon, WI 54520***
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Ben Nelson**
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**Milwaukee,WI 53226 4827**

**NLS Project: 82040**
**NLS Customer: 91206**
**Fax: 414 831 4101 Phone: 414 831 4100**

**Project:** **Xcel Ashland - 25688375**

**NS-GW-MW-9B-0604 NLS ID: 341818**
Ref. Line 6 COC 69743 NS-GW-MW-9B-0604 Matrix: GW
Collected: 06/14/04 13:45 Received: 06/15/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, tot. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/16/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 06/16/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 06/16/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/15/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/15/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/17/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/17/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/21/04 | SW846 8270C | 721026460 |

**Trip Blank NLS ID: 341819**
Ref. Line 8 COC 69743 Trip Blank Matrix: TB
Collected: 06/14/04 00:00 Received: 06/15/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 06/17/04 | SW846 8260 | 721026460 |

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82040**

**Project Description: Xcel Ashland - 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 14:01**

**Sample: 341813** **NS-GW-MW-13C-0604** **Collected: 06/14/04** **Analyzed: 06/21/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | [1.8] | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 33% | | | | |
| Phenol-d5 (SURR**) | 23% | | | | |
| Nitrobenzene-d5 (SURR**) | 79% | | | | |
| 2-Fluorobiphenyl (SURR**) | 72% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 75% | | | | |
| Terphenyl-d14 (SURR**) | 51% | | | | |

All matrix spike recoveries were within in-house QC limits.

Laboratory control and laboratory control spike duplicate recoveries for 2-Methylphenol, 3&4-Methylphenol, Acenaphthylene, Anthracene, and Benzo[a]pyrene were below in-house QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82040**

**Project Description: Xcel Ashland - 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 14:01**

**Sample: 341814** **NS-GW-MW-13D-0604** **Collected: 06/14/04** **Analyzed: 06/21/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 29% | | | | |
| Phenol-d5 (SURR**) | 22% | | | | |
| Nitrobenzene-d5 (SURR**) | 77% | | | | |
| 2-Fluorobiphenyl (SURR**) | 71% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 70% | | | | |
| Terphenyl-d14 (SURR**) | 51% | | | | |

All matrix spike recoveries were within in-house QC limits.

Laboratory control and laboratory control spike duplicate recoveries for 2-Methylphenol, 3&4-Methylphenol, Acenaphthylene, Anthracene, and Benzo[a]pyrene were below in-house QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82040**

**Project Description: Xcel Ashland - 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 14:01**

**Sample: 341815** **NS-GW-MW-9A-0604** **Collected: 06/14/04** **Analyzed: 06/21/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | [2.7] | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | [1.6] | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | [2.0] | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | 6.9 | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | 10 | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | 26 | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | 5.2 | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | [2.2] | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 12% | | | | |
| Phenol-d5 (SURR**) | 15% | | | | |
| Nitrobenzene-d5 (SURR**) | 78% | | | | |
| 2-Fluorobiphenyl (SURR**) | 75% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 39% | | | | |
| Terphenyl-d14 (SURR**) | 52% | | | | |

All matrix spike recoveries were within in-house QC limits.

Laboratory control and laboratory control spike duplicate recoveries for 2-Methylphenol, 3&4-Methylphenol, Acenaphthylene, Anthracene, and Benzo[a]pyrene were below in-house QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82040**

**Project Description: Xcel Ashland - 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 14:01**

**Sample: 341816** **NS-GW-MW-9-0604** **Collected: 06/14/04** **Analyzed: 06/21/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 300 | 1000 |
| Acenaphthylene | ND | ug/L | 200 | 340 | 1100 |
| Anthracene | ND | ug/L | 200 | 270 | 900 |
| Benzo[a]anthracene | ND | ug/L | 200 | 280 | 920 |
| Benzo[a]pyrene | ND | ug/L | 200 | 280 | 920 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 250 | 840 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 270 | 900 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 340 | 1100 |
| Chrysene | ND | ug/L | 200 | 280 | 930 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 260 | 880 |
| Dibenzofuran | ND | ug/L | 200 | 310 | 1000 |
| Fluoranthene | ND | ug/L | 200 | 290 | 950 |
| Fluorene | ND | ug/L | 200 | 340 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 310 | 1000 |
| 1-Methylnaphthalene | [700] | ug/L | 200 | 320 | 1100 |
| 2-Methylnaphthalene | 1100 | ug/L | 200 | 310 | 1000 |
| 2-Methylphenol | ND | ug/L | 200 | 220 | 820 |
| 3 & 4-Methylphenol | ND | ug/L | 200 | 250 | 840 |
| Naphthalene | 6400 | ug/L | 200 | 330 | 1100 |
| Phenanthrene | [470] | ug/L | 200 | 290 | 950 |
| Phenol | ND | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 290 | 960 |
| Benzo[e]pyrene | ND | ug/L | 200 | 220 | 740 |
| 2-Fluorophenol (SURR**) | 4% | | | | |
| Phenol-d5 (SURR**) | 30% | | | | |
| Nitrobenzene-d5 (SURR**) | 98% | | | | |
| 2-Fluorobiphenyl (SURR**) | 86% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 43% | | | | |
| Terphenyl-d14 (SURR**) | 58% | | | | |

All matrix spike recoveries were within in-house QC limits.

Laboratory control and laboratory control spike duplicate recoveries for 2-Methylphenol, 3&4-Methylphenol, Acenaphthylene, Anthracene, and Benzo[a]pyrene were below in-house QC limits.

Surrogate recovery for 2-Fluorophenol was below QC limits due to sample matrix and a high instrument dilution.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82040**

**Project Description: Xcel Ashland - 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 14:01**

**Sample: 341817** **NS-GW-MW-9C-0604** **Collected: 06/14/04** **Analyzed: 06/21/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 10 | 15 | 50 |
| Acenaphthylene | [21] | ug/L | 10 | 17 | 56 |
| Anthracene | ND | ug/L | 10 | 14 | 45 |
| Benzo[a]anthracene | ND | ug/L | 10 | 14 | 46 |
| Benzo[a]pyrene | ND | ug/L | 10 | 14 | 46 |
| Benzo[b]fluoranthene | ND | ug/L | 10 | 13 | 42 |
| Benzo[g,h,i]perylene | ND | ug/L | 10 | 13 | 45 |
| Benzo[k]fluoranthene | ND | ug/L | 10 | 17 | 56 |
| Chrysene | ND | ug/L | 10 | 14 | 46 |
| Dibenzo[a,h]anthracene | ND | ug/L | 10 | 13 | 44 |
| Dibenzofuran | ND | ug/L | 10 | 16 | 52 |
| Fluoranthene | ND | ug/L | 10 | 14 | 48 |
| Fluorene | ND | ug/L | 10 | 17 | 57 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 10 | 15 | 51 |
| 1-Methylnaphthalene | [52] | ug/L | 10 | 16 | 53 |
| 2-Methylnaphthalene | 75 | ug/L | 10 | 15 | 51 |
| 2-Methylphenol | ND | ug/L | 10 | 11 | 41 |
| 3 & 4-Methylphenol | ND | ug/L | 10 | 13 | 42 |
| Naphthalene | 390 | ug/L | 10 | 17 | 55 |
| Phenanthrene | ND | ug/L | 10 | 14 | 48 |
| Phenol | ND | ug/L | 10 | 5.1 | 17 |
| Pyrene | ND | ug/L | 10 | 14 | 48 |
| Benzo[e]pyrene | ND | ug/L | 10 | 11 | 37 |
| 2-Fluorophenol (SURR**) | 22% | | | | |
| Phenol-d5 (SURR**) | 18% | | | | |
| Nitrobenzene-d5 (SURR**) | 80% | | | | |
| 2-Fluorobiphenyl (SURR**) | 81% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 49% | | | | |
| Terphenyl-d14 (SURR**) | 54% | | | | |

All matrix spike recoveries were within in-house QC limits.

Laboratory control and laboratory control spike duplicate recoveries for 2-Methylphenol, 3&4-Methylphenol, Acenaphthylene, Anthracene, and Benzo[a]pyrene were below in-house QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82040**

**Project Description: Xcel Ashland - 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 14:01**

**Sample: 341818** **NS-GW-MW-9B-0604** **Collected: 06/14/04** **Analyzed: 06/21/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 50 | 75 | 250 |
| Acenaphthylene | [100] | ug/L | 50 | 84 | 280 |
| Anthracene | ND | ug/L | 50 | 68 | 230 |
| Benzo[a]anthracene | ND | ug/L | 50 | 69 | 230 |
| Benzo[a]pyrene | ND | ug/L | 50 | 69 | 230 |
| Benzo[b]fluoranthene | ND | ug/L | 50 | 63 | 210 |
| Benzo[g,h,i]perylene | ND | ug/L | 50 | 67 | 220 |
| Benzo[k]fluoranthene | ND | ug/L | 50 | 84 | 280 |
| Chrysene | ND | ug/L | 50 | 70 | 230 |
| Dibenzo[a,h]anthracene | ND | ug/L | 50 | 66 | 220 |
| Dibenzofuran | ND | ug/L | 50 | 79 | 260 |
| Fluoranthene | ND | ug/L | 50 | 72 | 240 |
| Fluorene | ND | ug/L | 50 | 85 | 280 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 50 | 77 | 260 |
| 1-Methylnaphthalene | 320 | ug/L | 50 | 80 | 270 |
| 2-Methylnaphthalene | 380 | ug/L | 50 | 77 | 260 |
| 2-Methylphenol | ND | ug/L | 50 | 56 | 210 |
| 3 & 4-Methylphenol | ND | ug/L | 50 | 63 | 210 |
| Naphthalene | 1300 | ug/L | 50 | 83 | 280 |
| Phenanthrene | ND | ug/L | 50 | 71 | 240 |
| Phenol | ND | ug/L | 50 | 25 | 85 |
| Pyrene | ND | ug/L | 50 | 72 | 240 |
| Benzo[e]pyrene | ND | ug/L | 50 | 55 | 180 |
| 2-Fluorophenol (SURR**) | 39% | | | | |
| Phenol-d5 (SURR**) | 27% | | | | |
| Nitrobenzene-d5 (SURR**) | 90% | | | | |
| 2-Fluorobiphenyl (SURR**) | 81% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 62% | | | | |
| Terphenyl-d14 (SURR**) | 46% | | | | |

All matrix spike recoveries were within in-house QC limits.

Laboratory control and laboratory control spike duplicate recoveries for 2-Methylphenol, 3&4-Methylphenol, Acenaphthylene, Anthracene, and Benzo[a]pyrene were below in-house QC limits.

** Surrogates are used to evaluate a method's Quality Control.

# ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82040**
**Project Description: Xcel Ashland - 25688375**
**Project Title:** **Template: SAT2NSP Printed: 07/27/2004 14:00**

**Sample: 341813 NS-GW-MW-13C-0604** **Collected: 06/14/04** **Analyzed: 06/17/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | ND | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 99% | | | | |
| Toluene-d8 (SURR**) | 110% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

**Sample: 341814 NS-GW-MW-13D-0604** **Collected: 06/14/04** **Analyzed: 06/17/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | ND | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 97% | | | | |
| Toluene-d8 (SURR**) | 105% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

**Sample: 341815 NS-GW-MW-9A-0604** **Collected: 06/14/04** **Analyzed: 06/17/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 91 | ug/L | 10 | 1.2 | 3.8 |
| sec-Butylbenzene | ND | ug/L | 10 | 1.6 | 5.2 |
| Ethylbenzene | 7.5 | ug/L | 10 | 1.4 | 4.7 |
| ortho-Xylene | [3.3] | ug/L | 10 | 1.3 | 4.4 |
| Styrene | [1.8] | ug/L | 10 | 1.4 | 4.7 |
| Toluene | 30 | ug/L | 10 | 2.0 | 7.7 |
| 1,2,4-Trimethylbenzene | [1.7] | ug/L | 10 | 1.4 | 4.8 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 10 | 1.2 | 4.1 |
| meta,para-Xylene | [8.3] | ug/L | 10 | 2.6 | 8.8 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 10 | 2.1 | 6.8 |
| Dibromofluoromethane (SURR**) | 96% | | | | |
| Toluene-d8 (SURR**) | 100% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 97% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82040**

**Project Description: Xcel Ashland - 25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 07/27/2004 14:00**

**Sample: 341816** **NS-GW-MW-9-0604** **Collected: 06/14/04** **Analyzed: 06/17/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 38000 | ug/L | 5000 | 580 | 1900 |
| sec-Butylbenzene | ND | ug/L | 5000 | 790 | 2600 |
| Ethylbenzene | [2000] | ug/L | 5000 | 710 | 2300 |
| ortho-Xylene | [960] | ug/L | 5000 | 670 | 2200 |
| Styrene | [890] | ug/L | 5000 | 700 | 2300 |
| Toluene | 19000 | ug/L | 5000 | 1000 | 3900 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 5000 | 720 | 2400 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 5000 | 610 | 2000 |
| meta,para-Xylene | [2000] | ug/L | 5000 | 1300 | 4400 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 5000 | 1000 | 3400 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 111% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 105% | | | | |

**Sample: 341817** **NS-GW-MW-9C-0604** **Collected: 06/14/04** **Analyzed: 06/17/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [18] | ug/L | 50 | 5.8 | 19 |
| sec-Butylbenzene | ND | ug/L | 50 | 7.9 | 26 |
| Ethylbenzene | 26 | ug/L | 50 | 7.1 | 23 |
| ortho-Xylene | 71 | ug/L | 50 | 6.7 | 22 |
| Styrene | 180 | ug/L | 50 | 7.0 | 23 |
| Toluene | 300 | ug/L | 50 | 10 | 39 |
| 1,2,4-Trimethylbenzene | 36 | ug/L | 50 | 7.2 | 24 |
| 1,3,5-Trimethylbenzene | [8.5] | ug/L | 50 | 6.1 | 20 |
| meta,para-Xylene | 150 | ug/L | 50 | 13 | 44 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 50 | 10 | 34 |
| Dibromofluoromethane (SURR**) | 96% | | | | |
| Toluene-d8 (SURR**) | 104% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

**Sample: 341818** **NS-GW-MW-9B-0604** **Collected: 06/14/04** **Analyzed: 06/17/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 8000 | ug/L | 800 | 92 | 310 |
| sec-Butylbenzene | ND | ug/L | 800 | 130 | 420 |
| Ethylbenzene | [310] | ug/L | 800 | 110 | 380 |
| ortho-Xylene | [210] | ug/L | 800 | 110 | 350 |
| Styrene | ND | ug/L | 800 | 110 | 370 |
| Toluene | 1800 | ug/L | 800 | 160 | 620 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 800 | 120 | 380 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 800 | 98 | 330 |
| meta,para-Xylene | [410] | ug/L | 800 | 210 | 700 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 800 | 160 | 550 |
| Dibromofluoromethane (SURR**) | 94% | | | | |
| Toluene-d8 (SURR**) | 102% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 94% | | | | |

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82040**
**Project Description: Xcel Ashland - 25688375**
**Project Title:** **Template: SAT2NSP Printed: 07/27/2004 14:00**

**Sample: 341819 Trip Blank** **Collected: 06/14/04** **Analyzed: 06/17/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | [0.48] | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 114% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 104% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82087
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland-25688375

**NS-GW-MW-05-0604 NLS ID: 341975**
Ref. Line 1 COC 69757 NS-GW-MW-05-0604 Matrix: GW
Collected: 06/15/04 08:45 Received: 06/16/04
Notes: Hexavalent chromium collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 3.2 | mg/L | 1 | 0.0042 | 0.015 | 06/19/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.012] | mg/L | 1 | 0.0042 | 0.015 | 06/19/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | [5.3] | ug/L | 1 | 3.2 | 11 | 07/06/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | [5.7] | ug/L | 1 | 3.2 | 11 | 07/06/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 07/02/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 07/02/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 140 | ug/L | 1 | 2.5* | 5.0 | 06/19/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 110 | ug/L | 1 | 2.5* | 5.0 | 06/19/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/19/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/19/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | 4.1 | ug/L | 1 | 0.17 | 0.50 | 06/19/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | 3.2 | ug/L | 1 | 0.17 | 0.50 | 06/19/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 230 | mg/L | 1 | 0.15* | 0.30 | 06/19/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 230 | mg/L | 1 | 0.15* | 0.30 | 06/19/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 06/16/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 4.9 | ug/L | 1 | 3.6* | | 06/22/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 4.9 | ug/L | 1 | 0.51 | 1.8 | 06/19/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 06/19/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 2.1 | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | [1.1] | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 35 | ug/L | 1 | 1.3 | 4.0 | 06/19/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | 5.6 | ug/L | 1 | 1.3 | 4.0 | 06/19/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 06/21/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 5.4 | mg/L | 1 | 0.033 | 0.10 | 06/19/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 0.34 | mg/L | 1 | 0.033 | 0.10 | 06/19/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 41 | ug/L | 1 | 0.87 | 3.0 | 06/19/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [1.5] | ug/L | 1 | 0.87 | 3.0 | 06/19/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 42 | mg/L | 1 | 0.15* | 0.30 | 06/19/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 41 | mg/L | 1 | 0.15* | 0.30 | 06/19/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 1800 | ug/L | 1 | 1.0* | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 1500 | ug/L | 1 | 1.0* | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | [0.031] | ug/L | 1 | 0.025* | 0.050 | 06/18/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | 0.47 | ug/L | 1 | 0.025 | 0.050 | 06/18/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 32 | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 26 | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 12 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 13 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 06/29/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 06/29/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | [0.77] | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 50 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 51 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 06/25/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82087
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland-25688375

**NS-GW-MW-05-0604 NLS ID: 341975**
Ref. Line 1 COC 69757 NS-GW-MW-05-0604 Matrix: GW
Collected: 06/15/04 08:45 Received: 06/16/04
Notes: Hexavalent chromium collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 06/28/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 9.6 | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [0.73] | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 2100 | ug/L | 1 | 5.0* | 10 | 06/19/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | 1900 | ug/L | 1 | 5.0* | 10 | 06/19/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/17/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/17/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/18/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/17/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/21/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 82087
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland-25688375

**NS-GW-MW-05B-0604 NLS ID: 341976**
Ref. Line 2 COC 69757 NS-GW-MW-05B-0604 Matrix: GW
Collected: 06/15/04 09:00 Received: 06/16/04
Notes: Hexavalent chromium collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.10 | mg/L | 1 | 0.0042 | 0.015 | 06/19/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.013] | mg/L | 1 | 0.0042 | 0.015 | 06/19/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/06/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/06/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 07/02/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [4.3] | ug/L | 1 | 2.6 | 9.0 | 07/02/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 620 | ug/L | 1 | 2.5* | 5.0 | 06/19/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 560 | ug/L | 1 | 2.5* | 5.0 | 06/19/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/19/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/19/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/19/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/19/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 100 | mg/L | 1 | 0.15* | 0.30 | 06/19/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 100 | mg/L | 1 | 0.15* | 0.30 | 06/19/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 3.9 | ug/L | 1 | 3.6* | | 06/16/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | | | 3.6* | | 06/22/04 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding total chromium result. | | | | | | | |
| Chromium, tot. as Cr by ICP-Trace | [0.64] | ug/L | 1 | 0.51 | 1.8 | 06/19/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.52] | ug/L | 1 | 0.51 | 1.8 | 06/19/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | [0.90] | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 06/19/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | [1.9] | ug/L | 1 | 1.3 | 4.0 | 06/19/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | 0.061 | mg/L | 1 | 0.0050 | 0.015 | 06/21/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 0.33 | mg/L | 1 | 0.033 | 0.10 | 06/19/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 0.34 | mg/L | 1 | 0.033 | 0.10 | 06/19/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 3.2 | ug/L | 1 | 0.87 | 3.0 | 06/19/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [1.8] | ug/L | 1 | 0.87 | 3.0 | 06/19/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 53 | mg/L | 1 | 0.15* | 0.30 | 06/19/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 50 | mg/L | 1 | 0.15* | 0.30 | 06/19/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 230 | ug/L | 1 | 1.0* | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 220 | ug/L | 1 | 1.0* | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/18/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/18/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 2.5 | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 2.3 | ug/L | 1 | 0.67 | 2.0 | 06/21/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 5.6 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 5.8 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 06/29/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 06/29/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 28 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 30 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82087
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland-25688375

**NS-GW-MW-05B-0604 NLS ID: 341976**
Ref. Line 2 COC 69757 NS-GW-MW-05B-0604 Matrix: GW
Collected: 06/15/04 09:00 Received: 06/16/04
Notes: Hexavalent chromium collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 06/25/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 06/28/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | [1.7] | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [1.2] | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 06/19/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [8.4] | ug/L | 1 | 5.0* | 10 | 06/19/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/17/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/17/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/22/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/17/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/21/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82087
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland-25688375

**NS-GW-MW-05C-0604 NLS ID: 341977**
Ref. Line 3 COC 69757 NS-GW-MW-05C-0604 Matrix: GW
Collected: 06/15/04 09:20 Received: 06/16/04
Notes: Hexavalent chromium collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.017 | mg/L | 1 | 0.0042 | 0.015 | 06/19/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | 0.026 | mg/L | 1 | 0.0042 | 0.015 | 06/19/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/06/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/06/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 07/02/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [4.3] | ug/L | 1 | 2.6 | 9.0 | 07/02/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 110 | ug/L | 1 | 2.5* | 5.0 | 06/19/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 110 | ug/L | 1 | 2.5* | 5.0 | 06/19/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/19/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/19/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/19/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/19/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 19 | mg/L | 1 | 0.15* | 0.30 | 06/19/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 19 | mg/L | 1 | 0.15* | 0.30 | 06/19/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 06/16/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 06/22/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 06/19/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 06/19/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 06/19/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 06/19/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 06/21/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | [0.062] | mg/L | 1 | 0.033 | 0.10 | 06/19/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 06/19/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | [2.3] | ug/L | 1 | 0.87 | 3.0 | 06/19/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [2.6] | ug/L | 1 | 0.87 | 3.0 | 06/19/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 6.6 | mg/L | 1 | 0.15* | 0.30 | 06/19/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 6.7 | mg/L | 1 | 0.15* | 0.30 | 06/19/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 18 | ug/L | 1 | 1.0* | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 12 | ug/L | 1 | 1.0* | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/18/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/18/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.2 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 4.2 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 06/29/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | [2.0] | ug/L | 1 | 1.6 | 5.5 | 06/29/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | [0.88] | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | [0.84] | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 16 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 16 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 06/25/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82087
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland-25688375

**NS-GW-MW-05C-0604 NLS ID: 341977**
Ref. Line 3 COC 69757 NS-GW-MW-05C-0604 Matrix: GW
Collected: 06/15/04 09:20 Received: 06/16/04
Notes: Hexavalent chromium collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 06/28/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | [0.74] | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [0.78] | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 06/19/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 06/19/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/17/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/17/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/22/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/17/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/21/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
*Analytical Laboratory and Environmental Services*
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel Ashland-25688375

NLS Project: 82087
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**NS-GW-Dup1-0604 NLS ID: 341978**
Ref. Line 4 COC 69757 NS-GW-Dup1-0604 Matrix: GW
Collected: 06/15/04 09:30 Received: 06/16/04
Notes: Hexavalent chromium collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.018 | mg/L | 1 | 0.0042 | 0.015 | 06/19/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.013] | mg/L | 1 | 0.0042 | 0.015 | 06/19/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/06/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/06/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [3.1] | ug/L | 1 | 2.6 | 9.0 | 07/02/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [3.5] | ug/L | 1 | 2.6 | 9.0 | 07/02/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 110 | ug/L | 1 | 2.5* | 5.0 | 06/19/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 110 | ug/L | 1 | 2.5* | 5.0 | 06/19/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/19/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/19/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/19/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/19/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 19 | mg/L | 1 | 0.15* | 0.30 | 06/19/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 19 | mg/L | 1 | 0.15* | 0.30 | 06/19/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 06/16/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 06/22/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 06/19/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.90] | ug/L | 1 | 0.51 | 1.8 | 06/19/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 06/19/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | 8.0 | ug/L | 1 | 1.3 | 4.0 | 06/19/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 06/21/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 06/19/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 06/19/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | [2.6] | ug/L | 1 | 0.87 | 3.0 | 06/19/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | 3.6 | ug/L | 1 | 0.87 | 3.0 | 06/19/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 6.8 | mg/L | 1 | 0.15* | 0.30 | 06/19/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 6.7 | mg/L | 1 | 0.15* | 0.30 | 06/19/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 17 | ug/L | 1 | 1.0* | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 12 | ug/L | 1 | 1.0* | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/18/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/18/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 2.1 | ug/L | 1 | 0.67 | 2.0 | 06/21/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.4 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 4.3 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 06/29/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 06/28/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 16 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 16 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 06/25/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel Ashland-25688375

NLS Project: 82087
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**NS-GW-Dup1-0604 NLS ID: 341973**
Ref. Line 4 COC 69757 NS-GW-Dup1-0604 Matrix: GW
Collected: 06/15/04 09:30 Received: 06/16/04
Notes: Hexavalent chromium collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 06/28/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 06/19/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [6.7] | ug/L | 1 | 5.0* | 10 | 06/19/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/17/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/17/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/22/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/17/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/21/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82087
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland-25688375

**NS-GW-MW01-0604 NLS ID: 341979**
Ref. Line 5 COC 69757 NS-GW-MW01-0604 Matrix: GW
Collected: 06/15/04 09:50 Received: 06/16/04
Notes: Hexavalent chromium collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 1.2 | mg/L | 1 | 0.0042 | 0.015 | 06/19/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0060] | mg/L | 1 | 0.0042 | 0.015 | 06/19/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/06/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/06/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 07/02/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 07/02/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 210 | ug/L | 1 | 2.5* | 5.0 | 06/19/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 200 | ug/L | 1 | 2.5* | 5.0 | 06/19/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/19/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/19/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | [0.19] | ug/L | 1 | 0.17 | 0.50 | 06/19/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/19/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 210 | mg/L | 1 | 0.15* | 0.30 | 06/19/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 210 | mg/L | 1 | 0.15* | 0.30 | 06/19/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 3.9 | ug/L | 1 | 3.6* | | 06/16/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | | | 3.6* | | 06/22/04 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding total chromium result. | | | | | | | |
| Chromium, tot. as Cr by ICP-Trace | 1.9 | ug/L | 1 | 0.51 | 1.8 | 06/19/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 06/19/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 2.5 | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | [1.0] | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 8.2 | ug/L | 1 | 1.3 | 4.0 | 06/19/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 06/19/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 06/21/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 1.8 | mg/L | 1 | 0.033 | 0.10 | 06/19/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 0.32 | mg/L | 1 | 0.033 | 0.10 | 06/19/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 3.6 | ug/L | 1 | 0.87 | 3.0 | 06/19/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [1.8] | ug/L | 1 | 0.87 | 3.0 | 06/19/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 89 | mg/L | 1 | 0.15* | 0.30 | 06/19/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 88 | mg/L | 1 | 0.15* | 0.30 | 06/19/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 990 | ug/L | 1 | 1.0* | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 740 | ug/L | 1 | 1.0* | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/18/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/18/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 2.8 | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.0] | ug/L | 1 | 0.67 | 2.0 | 06/21/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 11 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 12 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | [5.2] | ug/L | 1 | 1.6 | 5.5 | 06/29/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | 16 | ug/L | 2 | 3.2 | 11 | 06/29/04 | SW846 7740 | 721026460 |
| | Sample required a dilution to overcome negative interference encountered during analysis. | | | | | | | |
| Silver, tot. as Ag by ICP-Trace | [0.82] | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 34 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82087
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland-25688375

**NS-GW-MW01-0604 NLS ID: 341979**
Ref. Line 5 COC 69757 NS-GW-MW01-0604 Matrix: GW
Collected: 06/15/04 09:50 Received: 06/16/04
Notes: Hexavalent chromium collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Sodium, tot. as Na | 35 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 06/25/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 06/28/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 4.0 | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 2.6 | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 13 | ug/L | 1 | 5.0* | 10 | 06/19/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [6.7] | ug/L | 1 | 5.0* | 10 | 06/19/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/17/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/17/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/18/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/17/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/21/04 | SW846 8270C | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
*10200 West Innovation Drive #500*
Milwaukee,WI 53226 4827

NLS Project: 82087
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland-25688375

**NS-GW-MW05A-0604 NLS ID: 341980**
Ref. Line 6 COC 69757 NS-GW-MW05A-0604 Matrix: GW
Collected: 06/15/04 10:10 Received: 06/16/04
Notes: Hexavalent chromium collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.20 | mg/L | 1 | 0.0042 | 0.015 | 06/19/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.012] | mg/L | 1 | 0.0042 | 0.015 | 06/19/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/06/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/06/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 07/02/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 07/02/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 550 | ug/L | 1 | 2.5* | 5.0 | 06/19/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 550 | ug/L | 1 | 2.5* | 5.0 | 06/19/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/19/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/19/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/19/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/19/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 49 | mg/L | 1 | 0.15* | 0.30 | 06/19/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 51 | mg/L | 1 | 0.15* | 0.30 | 06/19/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 06/16/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 06/22/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [0.70] | ug/L | 1 | 0.51 | 1.8 | 06/19/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.70] | ug/L | 1 | 0.51 | 1.8 | 06/19/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 06/19/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | [1.8] | ug/L | 1 | 1.3 | 4.0 | 06/19/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.013] | mg/L | 1 | 0.0050 | 0.015 | 06/21/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 3.3 | mg/L | 1 | 0.033 | 0.10 | 06/19/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 2.4 | mg/L | 1 | 0.033 | 0.10 | 06/19/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | [2.0] | ug/L | 1 | 0.87 | 3.0 | 06/19/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [2.7] | ug/L | 1 | 0.87 | 3.0 | 06/19/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 43 | mg/L | 1 | 0.15* | 0.30 | 06/19/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 44 | mg/L | 1 | 0.15* | 0.30 | 06/19/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 170 | ug/L | 1 | 1.0* | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 200 | ug/L | 1 | 1.0* | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/18/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/18/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | [1.3] | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 2.2 | ug/L | 1 | 0.67 | 2.0 | 06/21/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 5.3 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 4.9 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 06/29/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 06/29/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 38 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 37 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 06/25/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82087
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland-25688375

**NS-GW-MW05A-0604 NLS ID: 341980**
Ref. Line 6 COC 69757 NS-GW-MW05A-0604 Matrix: GW
Collected: 06/15/04 10:10 Received: 06/16/04
Notes: Hexavalent chromium collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 06/28/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | [0.82] | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 06/19/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [5.7] | ug/L | 1 | 5.0* | 10 | 06/19/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/17/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/17/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/18/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/17/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/21/04 | SW846 8270C | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 82087
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel Ashland-25688375

**NS-GW-MW04A-0604 NLS ID: 341981**
Ref. Line 7 COC 69757 NS-GW-MW04A-0604 Matrix: GW
Collected: 06/15/04 11:40 Received: 06/16/04
Notes: Hexavalent chromium collected after 12:30

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.023 | mg/L | 1 | 0.0042 | 0.015 | 06/19/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | 0.019 | mg/L | 1 | 0.0042 | 0.015 | 06/19/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/06/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/06/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [3.6] | ug/L | 1 | 2.6 | 9.0 | 07/02/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [5.9] | ug/L | 1 | 2.6 | 9.0 | 07/02/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 1100 | ug/L | 1 | 2.5* | 5.0 | 06/19/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 1100 | ug/L | 1 | 2.5* | 5.0 | 06/19/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/19/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/19/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/19/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/19/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 160 | mg/L | 1 | 0.15* | 0.30 | 06/19/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 160 | mg/L | 1 | 0.15* | 0.30 | 06/19/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 3.9 | ug/L | 1 | 3.6* | | 06/16/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | | | 3.6* | | 06/22/04 | Calc. | 721026460 |
| | *No reportable value due to hexavalent chromium result exceeding total chromium result.* | | | | | | | |
| Chromium, tot. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 06/19/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 06/19/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 4.8 | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | 4.9 | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | [2.1] | ug/L | 1 | 1.3 | 4.0 | 06/19/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | [2.1] | ug/L | 1 | 1.3 | 4.0 | 06/19/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | 0.021 | mg/L | 1 | 0.0050 | 0.015 | 06/21/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 19 | mg/L | 1 | 0.033 | 0.10 | 06/19/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 16 | mg/L | 1 | 0.033 | 0.10 | 06/19/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 3.4 | ug/L | 1 | 0.87 | 3.0 | 06/19/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [2.1] | ug/L | 1 | 0.87 | 3.0 | 06/19/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 71 | mg/L | 1 | 0.15* | 0.30 | 06/19/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 71 | mg/L | 1 | 0.15* | 0.30 | 06/19/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 2900 | ug/L | 1 | 1.0* | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 2800 | ug/L | 1 | 1.0* | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/18/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/18/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 2.7 | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 2.0 | ug/L | 1 | 0.67 | 2.0 | 06/21/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 23 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 22 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 06/29/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 06/29/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | [0.77] | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | [0.70] | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 60 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 59 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82087
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland-25688375

**NS-GW-MW01-0604 NLS ID: 341979**
Ref. Line 5 COC 69757 NS-GW-MW01-0604 Matrix: GW
Collected: 06/15/04 09:50 Received: 06/16/04
Notes: Hexavalent chromium collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Sodium, tot. as Na | 35 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 06/25/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 06/28/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 4.0 | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 2.6 | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 13 | ug/L | 1 | 5.0* | 10 | 06/19/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [6.7] | ug/L | 1 | 5.0* | 10 | 06/19/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/17/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/17/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/18/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/17/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/21/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 82087
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland-25688375

**NS-GW-MW05A-0604 NLS ID: 341980**
Ref. Line 6 COC 69757 NS-GW-MW05A-0604 Matrix: GW
Collected: 06/15/04 10:10 Received: 06/16/04
Notes: Hexavalent chromium collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.20 | mg/L | 1 | 0.0042 | 0.015 | 06/19/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.012] | mg/L | 1 | 0.0042 | 0.015 | 06/19/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/06/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/06/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 07/02/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 07/02/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 550 | ug/L | 1 | 2.5* | 5.0 | 06/19/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 550 | ug/L | 1 | 2.5* | 5.0 | 06/19/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/19/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/19/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/19/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/19/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 49 | mg/L | 1 | 0.15* | 0.30 | 06/19/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 51 | mg/L | 1 | 0.15* | 0.30 | 06/19/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 06/16/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 06/22/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [0.70] | ug/L | 1 | 0.51 | 1.8 | 06/19/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.70] | ug/L | 1 | 0.51 | 1.8 | 06/19/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 06/19/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | [1.8] | ug/L | 1 | 1.3 | 4.0 | 06/19/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.013] | mg/L | 1 | 0.0050 | 0.015 | 06/21/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 3.3 | mg/L | 1 | 0.033 | 0.10 | 06/19/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 2.4 | mg/L | 1 | 0.033 | 0.10 | 06/19/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | [2.0] | ug/L | 1 | 0.87 | 3.0 | 06/19/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [2.7] | ug/L | 1 | 0.87 | 3.0 | 06/19/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 43 | mg/L | 1 | 0.15* | 0.30 | 06/19/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 44 | mg/L | 1 | 0.15* | 0.30 | 06/19/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 170 | ug/L | 1 | 1.0* | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 200 | ug/L | 1 | 1.0* | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/18/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/18/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | [1.3] | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 2.2 | ug/L | 1 | 0.67 | 2.0 | 06/21/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 5.3 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 4.9 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 06/29/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 06/29/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 38 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 37 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 06/25/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82087
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland-25688375

**NS-GW-MW05A-0604 NLS ID: 341980**
Ref. Line 6 COC 69757 NS-GW-MW05A-0604 Matrix: GW
Collected: 06/15/04 10:10 Received: 06/16/04
Notes: Hexavalent chromium collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 06/28/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | [0.82] | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 06/19/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [5.7] | ug/L | 1 | 5.0* | 10 | 06/19/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/17/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/17/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/18/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/17/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/21/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82087
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland-25688375

**NS-GW-MW04A-0604 NLS ID: 341981**
Ref. Line 7 COC 69757 NS-GW-MW04A-0604 Matrix: GW
Collected: 06/15/04 11:40 Received: 06/16/04
Notes: Hexavalent chromium collected after 12:30

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.023 | mg/L | 1 | 0.0042 | 0.015 | 06/19/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | 0.019 | mg/L | 1 | 0.0042 | 0.015 | 06/19/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/06/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/06/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [3.6] | ug/L | 1 | 2.6 | 9.0 | 07/02/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [5.9] | ug/L | 1 | 2.6 | 9.0 | 07/02/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 1100 | ug/L | 1 | 2.5* | 5.0 | 06/19/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 1100 | ug/L | 1 | 2.5* | 5.0 | 06/19/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/19/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/19/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/19/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/19/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 160 | mg/L | 1 | 0.15* | 0.30 | 06/19/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 160 | mg/L | 1 | 0.15* | 0.30 | 06/19/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 3.9 | ug/L | 1 | 3.6* | | 06/16/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | | | 3.6* | | 06/22/04 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding total chromium result. | | | | | | | |
| Chromium, tot. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 06/19/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 06/19/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 4.8 | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | 4.9 | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | [2.1] | ug/L | 1 | 1.3 | 4.0 | 06/19/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | [2.1] | ug/L | 1 | 1.3 | 4.0 | 06/19/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | 0.021 | mg/L | 1 | 0.0050 | 0.015 | 06/21/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 19 | mg/L | 1 | 0.033 | 0.10 | 06/19/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 16 | mg/L | 1 | 0.033 | 0.10 | 06/19/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 3.4 | ug/L | 1 | 0.87 | 3.0 | 06/19/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [2.1] | ug/L | 1 | 0.87 | 3.0 | 06/19/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 71 | mg/L | 1 | 0.15* | 0.30 | 06/19/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 71 | mg/L | 1 | 0.15* | 0.30 | 06/19/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 2900 | ug/L | 1 | 1.0* | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 2800 | ug/L | 1 | 1.0* | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/18/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/18/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 2.7 | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 2.0 | ug/L | 1 | 0.67 | 2.0 | 06/21/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 23 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 22 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 06/29/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 06/29/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | [0.77] | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | [0.70] | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 60 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 59 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82087
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland-25688375

**NS-GW-MW04A-0604 NLS ID: 341981**
Ref. Line 7 COC 69757 NS-GW-MW04A-0604 Matrix: GW
Collected: 06/15/04 11:40 Received: 06/16/04
Notes: Hexavalent chromium collected after 12:30

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 2 | 5.0 | 17 | 06/25/04 | SW846 7841 | 721026460 |
| | Sample required a dilution to overcome negative interference encountered during analysis. | | | | | | | |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 06/28/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 3.0 | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 2.6 | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | [5.6] | ug/L | 1 | 5.0* | 10 | 06/19/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [7.7] | ug/L | 1 | 5.0* | 10 | 06/19/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/17/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/17/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/18/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/17/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/21/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 82087
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel Ashland-25688375

**NS-GW-MW04-0604 NLS ID: 341982**
Ref. Line 8 COC 69757 NS-GW-MW04-0604 Matrix: GW
Collected: 06/15/04 11:45 Received: 06/16/04
Notes: Hexavalent chromium collected after 12:30

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 61 | mg/L | 1 | 0.0042 | 0.015 | 06/19/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.014] | mg/L | 1 | 0.0042 | 0.015 | 06/19/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/06/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/06/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | 9.5 | ug/L | 1 | 2.6 | 9.0 | 07/02/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | 25 | ug/L | 1 | 2.6 | 9.0 | 07/02/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 900 | ug/L | 1 | 2.5* | 5.0 | 06/19/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 430 | ug/L | 1 | 2.5* | 5.0 | 06/19/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 5 | 0.85 | 2.5 | 06/21/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/19/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | 0.93 | ug/L | 1 | 0.17 | 0.50 | 06/19/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/19/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 220 | mg/L | 1 | 0.15* | 0.30 | 06/19/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 140 | mg/L | 1 | 0.15* | 0.30 | 06/19/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 6.4 | ug/L | 1 | 3.6* | | 06/16/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 76 | ug/L | 1 | 3.6* | | 06/22/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 82 | ug/L | 1 | 0.51 | 1.8 | 06/19/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 06/19/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 42 | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | 2.6 | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 150 | ug/L | 1 | 1.3 | 4.0 | 06/19/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 06/19/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.015] | mg/L | 1 | 0.0050 | 0.015 | 06/21/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 71 | mg/L | 1 | 0.033 | 0.10 | 06/19/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 7.7 | mg/L | 1 | 0.033 | 0.10 | 06/19/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 33 | ug/L | 1 | 0.87 | 3.0 | 06/19/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [1.8] | ug/L | 1 | 0.87 | 3.0 | 06/19/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 110 | mg/L | 1 | 0.15* | 0.30 | 06/19/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 77 | mg/L | 1 | 0.15* | 0.30 | 06/19/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 6200 | ug/L | 5 | 5.0* | 10 | 06/21/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 4500 | ug/L | 1 | 1.0* | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/18/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | 0.12 | ug/L | 1 | 0.025 | 0.050 | 06/18/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 82 | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.7] | ug/L | 1 | 0.67 | 2.0 | 06/21/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 29 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 39 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 06/29/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 06/29/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | [0.79] | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 60 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 59 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 06/25/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82087
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland-25688375

**NS-GW-MW04-0604 NLS ID: 341982**

Ref. Line 8 COC 69757 NS-GW-MW04-0604 Matrix: GW
Collected: 06/15/04 11:45 Received: 06/16/04
Notes: Hexavalent chromium collected after 12:30

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | [3.3] | ug/L | 1 | 2.5 | 8.7 | 06/28/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 170 | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 3.0 | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 340 | ug/L | 1 | 5.0* | 10 | 06/19/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 06/19/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/17/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/17/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/18/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/17/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/27/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82087
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland-25688375

**NS-GW-MW04B-0604 NLS ID: 341983**
Ref. Line 9 COC 69757 NS-GW-MW04B-0604 Matrix: GW
Collected: 06/15/04 12:10 Received: 06/16/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 28 | mg/L | 5 | 0.021 | 0.075 | 06/19/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.010] | mg/L | 1 | 0.0042 | 0.015 | 06/19/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/06/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/06/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 07/02/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | 14 | ug/L | 1 | 2.6 | 9.0 | 07/02/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 370 | ug/L | 5 | 13* | 25 | 06/19/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 130 | ug/L | 1 | 2.5* | 5.0 | 06/19/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 5 | 0.85 | 2.5 | 06/19/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/19/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 5 | 0.85 | 2.5 | 06/19/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/19/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 100 | mg/L | 5 | 0.75* | 1.5 | 06/19/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 72 | mg/L | 1 | 0.15* | 0.30 | 06/19/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 06/16/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 41 | ug/L | 1 | 3.6* | | 06/22/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 41 | ug/L | 5 | 2.6 | 9.0 | 06/19/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 06/19/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 18 | ug/L | 5 | 3.4 | 10 | 06/19/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | [0.98] | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 130 | ug/L | 5 | 6.7 | 20 | 06/19/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 06/19/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.0050] | mg/L | 1 | 0.0050 | 0.015 | 06/21/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 25 | mg/L | 5 | 0.17 | 0.50 | 06/19/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 0.42 | mg/L | 1 | 0.033 | 0.10 | 06/19/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 70 | ug/L | 5 | 4.4 | 15 | 06/19/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [1.4] | ug/L | 1 | 0.87 | 3.0 | 06/19/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 31 | mg/L | 5 | 0.75* | 1.5 | 06/19/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 17 | mg/L | 1 | 0.15* | 0.30 | 06/19/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 1300 | ug/L | 5 | 5.0* | 10 | 06/19/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 750 | ug/L | 1 | 1.0* | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/18/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 10 | 0.25 | 0.50 | 06/18/04 | 245.7M/ 1631M | 721026460 |
| | Dilution performed to prevent instrument contamination. | | | | | | | |
| Nickel, tot. as Ni by ICP-Trace | 53 | ug/L | 5 | 3.4 | 10 | 06/19/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.8] | ug/L | 1 | 0.67 | 2.0 | 06/21/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.5 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 11 | mg/L | 5 | 2.7 | 9.5 | 06/28/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | [1.9] | ug/L | 1 | 1.6 | 5.5 | 06/29/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | [3.4] | ug/L | 1 | 1.6 | 5.5 | 06/29/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 5 | 3.4 | 10 | 06/19/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 36 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 39 | mg/L | 5 | 0.060 | 0.22 | 06/28/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 06/25/04 | SW846 7841 | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82087
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland-25688375

**NS-GW-MW04B-0604 NLS ID: 341983**
Ref. Line 9 COC 69757 NS-GW-MW04B-0604 Matrix: GW
Collected: 06/15/04 12:10 Received: 06/16/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 06/28/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 140 | ug/L | 5 | 3.4 | 10 | 06/19/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [0.91] | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 370 | ug/L | 5 | 25* | 50 | 06/19/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [9.5] | ug/L | 1 | 5.0* | 10 | 06/19/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/17/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/17/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/18/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/17/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/27/04 | SW846 8270C | 721026460 |

**Trip Blank NLS ID: 341984**
Ref. Line COC 69757 Trip Blank Matrix: TB
Collected: 06/15/04 00:00 Received: 06/16/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 06/18/04 | SW846 8260 | 721026460 |

NORTHERN LAKE SERVICE, INC.
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400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel Ashland-25688375

NLS Project: 82087
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**NS-GW-MW14-0604 NLS ID: 341985**
Ref. Line 1 COC 69744 NS-GW-MW14-0604 Matrix: GW
Collected: 06/15/04 14:00 Received: 06/16/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 7.5 | mg/L | 1 | 0.0042 | 0.015 | 06/19/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.014] | mg/L | 1 | 0.0042 | 0.015 | 06/19/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/06/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/06/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [3.7] | ug/L | 1 | 2.6 | 9.0 | 07/02/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [6.4] | ug/L | 1 | 2.6 | 9.0 | 07/02/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 520 | ug/L | 1 | 2.5* | 5.0 | 06/19/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 320 | ug/L | 1 | 2.5* | 5.0 | 06/19/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/19/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/19/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | [0.20] | ug/L | 1 | 0.17 | 0.50 | 06/19/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/19/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 100 | mg/L | 1 | 0.15* | 0.30 | 06/19/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 90 | mg/L | 1 | 0.15* | 0.30 | 06/19/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 06/16/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 7.7 | ug/L | 1 | 3.6* | | 06/22/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 7.7 | ug/L | 1 | 0.51 | 1.8 | 06/19/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [1.1] | ug/L | 1 | 0.51 | 1.8 | 06/19/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 4.0 | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | [1.2] | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 40 | ug/L | 1 | 1.3 | 4.0 | 06/19/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 06/19/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | 0.072 | mg/L | 1 | 0.0050 | 0.015 | 06/21/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 27 | mg/L | 1 | 0.033 | 0.10 | 06/19/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 16 | mg/L | 1 | 0.033 | 0.10 | 06/19/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 26 | ug/L | 1 | 0.87 | 3.0 | 06/19/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [1.5] | ug/L | 1 | 0.87 | 3.0 | 06/19/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 34 | mg/L | 1 | 0.15* | 0.30 | 06/19/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 30 | mg/L | 1 | 0.15* | 0.30 | 06/19/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 390 | ug/L | 1 | 1.0* | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 300 | ug/L | 1 | 1.0* | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/18/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | 0.29 | ug/L | 1 | 0.025 | 0.050 | 06/18/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 10 | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/21/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 17 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 20 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 06/29/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | [1.7] | ug/L | 1 | 1.6 | 5.5 | 06/29/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | [0.72] | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 79 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 84 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 06/25/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 06/28/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82087
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland-25688375

**NS-GW-MW14-0604 NLS ID: 341985**
Ref. Line 1 COC 69744 NS-GW-MW14-0604 Matrix: GW
Collected: 06/15/04 14:00 Received: 06/16/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, tot. as V by ICP-Trace | 15 | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [0.80] | ug/L | 1 | 0.67 | 2.0 | 06/19/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 63 | ug/L | 1 | 5.0* | 10 | 06/19/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [7.4] | ug/L | 1 | 5.0* | 10 | 06/19/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/17/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/17/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/18/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/17/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/27/04 | SW846 8270C | 721026460 |

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82087**

**Project Description: Xcel Ashland-25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:59**

**Sample: 341975** **NS-GW-MW-05-0604** **Collected: 06/15/04** **Analyzed: 06/21/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [2.5] | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | [1.7] | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | [2.9] | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | [1.8] | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | [1.6] | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | [1.6] | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | [2.5] | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | [2.5] | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 0% | | | | |
| Phenol-d5 (SURR**) | 0% | | | | |
| Nitrobenzene-d5 (SURR**) | 82% | | | | |
| 2-Fluorobiphenyl (SURR**) | 76% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 0% | | | | |
| Terphenyl-d14 (SURR**) | 45% | | | | |

All matrix spike recoveries were within in-house QC limits.

Laboratory control and laboratory control spike duplicate recoveries for 2-Methylphenol, 3&4-Methylphenol, Acenaphthylene, Anthracene, and Benzo[a]pyrene were below in-house QC limits.

Acid extractable compounds were not recovered during extraction. Duplicate sample was extracted past hold time and analyzed as confirmation only.

Original sample results OK for base/neutral extractable compounds.

No acid extractable compounds present in confirmation analysis.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82087**

**Project Description: Xcel Ashland-25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:59**

**Sample: 341976** **NS-GW-MW-05 B-0604** **Collected: 06/15/04** **Analyzed: 06/21/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 100 | 150 | 500 |
| Acenaphthylene | [220] | ug/L | 100 | 170 | 560 |
| Anthracene | ND | ug/L | 100 | 140 | 450 |
| Benzo[a]anthracene | ND | ug/L | 100 | 140 | 460 |
| Benzo[a]pyrene | ND | ug/L | 100 | 140 | 460 |
| Benzo[b]fluoranthene | ND | ug/L | 100 | 130 | 420 |
| Benzo[g,h,i]perylene | ND | ug/L | 100 | 130 | 450 |
| Benzo[k]fluoranthene | ND | ug/L | 100 | 170 | 560 |
| Chrysene | ND | ug/L | 100 | 140 | 460 |
| Dibenzo[a,h]anthracene | ND | ug/L | 100 | 130 | 440 |
| Dibenzofuran | ND | ug/L | 100 | 160 | 520 |
| Fluoranthene | ND | ug/L | 100 | 140 | 480 |
| Fluorene | ND | ug/L | 100 | 170 | 570 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 100 | 150 | 510 |
| 1-Methylnaphthalene | 570 | ug/L | 100 | 160 | 530 |
| 2-Methylnaphthalene | 840 | ug/L | 100 | 150 | 510 |
| 2-Methylphenol | 1500 | ug/L | 100 | 110 | 410 |
| 3 & 4-Methylphenol | 2700 | ug/L | 100 | 130 | 420 |
| Naphthalene | 7500 | ug/L | 200 | 330 | 1100 |
| Phenanthrene | ND | ug/L | 100 | 140 | 480 |
| Phenol | 1100 | ug/L | 100 | 51 | 170 |
| Pyrene | ND | ug/L | 100 | 140 | 480 |
| Benzo[e]pyrene | ND | ug/L | 100 | 110 | 370 |
| 2-Fluorophenol (SURR**) | 35% | | | | |
| Phenol-d5 (SURR**) | 32% | | | | |
| Nitrobenzene-d5 (SURR**) | 87% | | | | |
| 2-Fluorobiphenyl (SURR**) | 86% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 71% | | | | |
| Terphenyl-d14 (SURR**) | 53% | | | | |

All matrix spike recoveries were withir in-house QC limits.

Laboratory control and laboratory con rol spike duplicate recoveries for 2-Methylphenol, 3&4-Methylphenol, Acenaphthylene, Anthracene, and Benzo[a]pyrene were below in-house QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82087**

**Project Description: Xcel Ashland-25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:59**

**Sample: 341977** **NS-GW-MW-05C-0604** **Collected: 06/15/04** **Analyzed: 06/21/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 43% | | | | |
| Phenol-d5 (SURR**) | 28% | | | | |
| Nitrobenzene-d5 (SURR**) | 84% | | | | |
| 2-Fluorobiphenyl (SURR**) | 75% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 92% | | | | |
| Terphenyl-d14 (SURR**) | 52% | | | | |

All matrix spike recoveries were within in-house QC limits.

Laboratory control and laboratory control spike duplicate recoveries for 2-Methylphenol, 3&4-Methylphenol, Acenaphthylene, Anthracene, and Benzo[a]pyrene were below in-house QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82087**
**Project Description: Xcel Ashland-25688375**
**Project Title:** **Template: 8270WNSP Printed: 07/27/2004 13:59**

**Sample: 341978 NS-GW-Dup1-0604** **Collected: 06/15/04** **Analyzed: 06/21/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 37% | | | | |
| Phenol-d5 (SURR**) | 25% | | | | |
| Nitrobenzene-d5 (SURR**) | 77% | | | | |
| 2-Fluorobiphenyl (SURR**) | 72% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 79% | | | | |
| Terphenyl-d14 (SURR**) | 52% | | | | |

All matrix spike recoveries were within in-house QC limits.

Laboratory control and laboratory control spike duplicate recoveries for 2-Methylphenol, 3&4-Methylphenol, Acenaphthylene, Anthracene, and Benzo[a]pyrene were below in-house QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82087**

**Project Description: Xcel Ashland-25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:59**

**Sample: 341979** **NS-GW-MW01-0604** **Collected: 06/15/04** **Analyzed: 06/21/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 21% | | | | |
| Phenol-d5 (SURR**) | 19% | | | | |
| Nitrobenzene-d5 (SURR**) | 75% | | | | |
| 2-Fluorobiphenyl (SURR**) | 69% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 56% | | | | |
| Terphenyl-d14 (SURR**) | 44% | | | | |

All matrix spike recoveries were within in-house QC limits.

Laboratory control and laboratory control spike duplicate recoveries for 2-Methylphenol, 3&4-Methylphenol, Acenaphthylene, Anthracene, and Benzo[a]pyrene were below in-house QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82087**

***Project Description: Xcel Ashland-25688375***

**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:59**

**Sample: 341980** **NS-GW-MW05A-0604** **Collected: 06/15/04** **Analyzed: 06/21/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 100 | 150 | 500 |
| Acenaphthylene | ND | ug/L | 100 | 170 | 560 |
| Anthracene | ND | ug/L | 100 | 140 | 450 |
| Benzo[a]anthracene | ND | ug/L | 100 | 140 | 460 |
| Benzo[a]pyrene | ND | ug/L | 100 | 140 | 460 |
| Benzo[b]fluoranthene | ND | ug/L | 100 | 130 | 420 |
| Benzo[g,h,i]perylene | ND | ug/L | 100 | 130 | 450 |
| Benzo[k]fluoranthene | ND | ug/L | 100 | 170 | 560 |
| Chrysene | ND | ug/L | 100 | 140 | 460 |
| Dibenzo[a,h]anthracene | ND | ug/L | 100 | 130 | 440 |
| Dibenzofuran | ND | ug/L | 100 | 160 | 520 |
| Fluoranthene | ND | ug/L | 100 | 140 | 480 |
| Fluorene | ND | ug/L | 100 | 170 | 570 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 100 | 150 | 510 |
| 1-Methylnaphthalene | [230] | ug/L | 100 | 160 | 530 |
| 2-Methylnaphthalene | [270] | ug/L | 100 | 150 | 510 |
| 2-Methylphenol | 650 | ug/L | 100 | 110 | 410 |
| 3 & 4-Methylphenol | 730 | ug/L | 100 | 130 | 420 |
| Naphthalene | 2700 | ug/L | 100 | 170 | 550 |
| Phenanthrene | ND | ug/L | 100 | 140 | 480 |
| Phenol | ND | ug/L | 100 | 51 | 170 |
| Pyrene | ND | ug/L | 100 | 140 | 480 |
| Benzo[e]pyrene | ND | ug/L | 100 | 110 | 370 |
| 2-Fluorophenol (SURR**) | 25% | | | | |
| Phenol-d5 (SURR**) | 28% | | | | |
| Nitrobenzene-d5 (SURR**) | 90% | | | | |
| 2-Fluorobiphenyl (SURR**) | 88% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 72% | | | | |
| Terphenyl-d14 (SURR**) | 55% | | | | |

All matrix spike recoveries were within in-house QC limits.

Laboratory control and laboratory control spike duplicate recoveries for 2-Methylphenol, 3&4-Methylphenol, Acenaphthylene, Anthracene, and Benzo[a]pyrene were below in-house QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82087**

**Project Description: Xcel Ashland-25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:59**

**Sample: 341981** **NS-GW-MW04A-0604** **Collected: 06/15/04** **Analyzed: 06/21/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 300 | 1000 |
| Acenaphthylene | [400] | ug/L | 200 | 340 | 1100 |
| Anthracene | ND | ug/L | 200 | 270 | 900 |
| Benzo[a]anthracene | ND | ug/L | 200 | 280 | 920 |
| Benzo[a]pyrene | ND | ug/L | 200 | 280 | 920 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 250 | 840 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 270 | 900 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 340 | 1100 |
| Chrysene | ND | ug/L | 200 | 280 | 930 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 260 | 880 |
| Dibenzofuran | ND | ug/L | 200 | 310 | 1000 |
| Fluoranthene | ND | ug/L | 200 | 290 | 950 |
| Fluorene | ND | ug/L | 200 | 340 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 310 | 1000 |
| 1-Methylnaphthalene | 1200 | ug/L | 200 | 320 | 1100 |
| 2-Methylnaphthalene | 1700 | ug/L | 200 | 310 | 1000 |
| 2-Methylphenol | [240] | ug/L | 200 | 220 | 820 |
| 3 & 4-Methylphenol | [470] | ug/L | 200 | 250 | 840 |
| Naphthalene | 8400 | ug/L | 200 | 330 | 1100 |
| Phenanthrene | ND | ug/L | 200 | 290 | 950 |
| Phenol | [200] | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 290 | 960 |
| Benzo[e]pyrene | ND | ug/L | 200 | 220 | 740 |
| 2-Fluorophenol (SURR**) | 11% | | | | |
| Phenol-d5 (SURR**) | 31% | | | | |
| Nitrobenzene-d5 (SURR**) | 94% | | | | |
| 2-Fluorobiphenyl (SURR**) | 98% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 60% | | | | |
| Terphenyl-d14 (SURR**) | 65% | | | | |

All matrix spike recoveries were within in-house QC limits.

Laboratory control and laboratory control spike duplicate recoveries for 2-Methylphenol, 3&4-Methylphenol, Acenaphthylene, Anthracene, and Benzo[a]pyrene were below in-house QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82087**
**Project Description: Xcel Ashland-25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:59**

**Sample: 341982** **NS-GW-MW04-0604** **Collected: 06/15/04** **Analyzed: 06/27/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 100 | 150 | 500 |
| Acenaphthylene | ND | ug/L | 100 | 170 | 560 |
| Anthracene | ND | ug/L | 100 | 140 | 450 |
| Benzo[a]anthracene | ND | ug/L | 100 | 140 | 460 |
| Benzo[a]pyrene | ND | ug/L | 100 | 140 | 460 |
| Benzo[b]fluoranthene | ND | ug/L | 100 | 130 | 420 |
| Benzo[g,h,i]perylene | ND | ug/L | 100 | 130 | 450 |
| Benzo[k]fluoranthene | ND | ug/L | 100 | 170 | 560 |
| Chrysene | ND | ug/L | 100 | 140 | 460 |
| Dibenzo[a,h]anthracene | ND | ug/L | 100 | 130 | 440 |
| Dibenzofuran | ND | ug/L | 100 | 160 | 520 |
| Fluoranthene | ND | ug/L | 100 | 140 | 480 |
| Fluorene | ND | ug/L | 100 | 170 | 570 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 100 | 150 | 510 |
| 1-Methylnaphthalene | 770 | ug/L | 100 | 160 | 530 |
| 2-Methylnaphthalene | 1000 | ug/L | 100 | 150 | 510 |
| 2-Methylphenol | ND | ug/L | 100 | 110 | 410 |
| 3 & 4-Methylphenol | ND | ug/L | 100 | 130 | 420 |
| Naphthalene | ND | ug/L | 100 | 170 | 550 |
| Phenanthrene | ND | ug/L | 100 | 140 | 480 |
| Phenol | 4500 | ug/L | 100 | 51 | 170 |
| Pyrene | ND | ug/L | 100 | 140 | 480 |
| Benzo[e]pyrene | ND | ug/L | 100 | 110 | 370 |
| 2-Fluorophenol (SURR**) | 6% | | | | |
| Phenol-d5 (SURR**) | 24% | | | | |
| Nitrobenzene-d5 (SURR**) | 93% | | | | |
| 2-Fluorobiphenyl (SURR**) | 88% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 37% | | | | |
| Terphenyl-d14 (SURR**) | 62% | | | | |

All matrix spike recoveries were within in-house QC limits.

Laboratory control and laboratory control spike duplicate recoveries for 2-Methylphenol, 3&4-Methylphenol, Acenaphthylene, Anthracene, and Benzo[a]pyrene were below in-house QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82087**
**Project Description: Xcel Ashland-25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:59**

**Sample: 341983** **NS-GW-MW04B-0604** **Collected: 06/15/04** **Analyzed: 06/27/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 8000 | 12000 | 40000 |
| Acenaphthylene | 86000 | ug/L | 8000 | 13000 | 45000 |
| Anthracene | [28000] | ug/L | 8000 | 11000 | 36000 |
| Benzo[a]anthracene | [15000] | ug/L | 8000 | 11000 | 37000 |
| Benzo[a]pyrene | ND | ug/L | 8000 | 11000 | 37000 |
| Benzo[b]fluoranthene | ND | ug/L | 8000 | 10000 | 34000 |
| Benzo[g,h,i]perylene | ND | ug/L | 8000 | 11000 | 36000 |
| Benzo[k]fluoranthene | ND | ug/L | 8000 | 13000 | 45000 |
| Chrysene | [13000] | ug/L | 8000 | 11000 | 37000 |
| Dibenzo[a,h]anthracene | ND | ug/L | 8000 | 11000 | 35000 |
| Dibenzofuran | ND | ug/L | 8000 | 13000 | 42000 |
| Fluoranthene | [28000] | ug/L | 8000 | 11000 | 38000 |
| Fluorene | [39000] | ug/L | 8000 | 14000 | 45000 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 8000 | 12000 | 41000 |
| 1-Methylnaphthalene | 170000 | ug/L | 8000 | 13000 | 43000 |
| 2-Methylnaphthalene | 270000 | ug/L | 8000 | 12000 | 41000 |
| 2-Methylphenol | ND | ug/L | 8000 | 9000 | 33000 |
| 3 & 4-Methylphenol | ND | ug/L | 8000 | 10000 | 34000 |
| Naphthalene | 440000 | ug/L | 8000 | 13000 | 44000 |
| Phenanthrene | 90000 | ug/L | 8000 | 11000 | 38000 |
| Phenol | ND | ug/L | 8000 | 4100 | 14000 |
| Pyrene | [36000] | ug/L | 8000 | 12000 | 38000 |
| Benzo[e]pyrene | ND | ug/L | 8000 | 8800 | 29000 |
| 2-Fluorophenol (SURR**) | 26% | | | | |
| Phenol-d5 (SURR**) | 34% | | | | |
| Nitrobenzene-d5 (SURR**) | 149% | | | | |
| 2-Fluorobiphenyl (SURR**) | 152% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 0% | | | | |
| Terphenyl-d14 (SURR**) | 110% | | | | |

A 20 fold dilution was performed during extraction.
Naphthalene result reported beyond calibration range.
All matrix spike recoveries were within in-house QC limits.
Laboratory control and laboratory control spike duplicate recoveries for 2-Methylphenol, 3&4-Methylphenol, Acenaphthylene, Anthracene, and Benzo[a]pyrene were below in-house QC limits.
Surrogate recoveries for Nitrobenzene-d5, 2-Fluorobiphenyl, and 2,4,6-Tribromophenol could not be quantitated effectively due to sample matrix and a high dilution factor.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82087**

**Project Description: Xcel Ashland-25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:59**

**Sample: 341985** **NS-GW-MW14-0604** **Collected: 06/15/04** **Analyzed: 06/27/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 100 | 150 | 500 |
| Acenaphthylene | ND | ug/L | 100 | 170 | 560 |
| Anthracene | ND | ug/L | 100 | 140 | 450 |
| Benzo[a]anthracene | ND | ug/L | 100 | 140 | 460 |
| Benzo[a]pyrene | ND | ug/L | 100 | 140 | 460 |
| Benzo[b]fluoranthene | ND | ug/L | 100 | 130 | 420 |
| Benzo[g,h,i]perylene | ND | ug/L | 100 | 130 | 450 |
| Benzo[k]fluoranthene | ND | ug/L | 100 | 170 | 560 |
| Chrysene | ND | ug/L | 100 | 140 | 460 |
| Dibenzo[a,h]anthracene | ND | ug/L | 100 | 130 | 440 |
| Dibenzofuran | ND | ug/L | 100 | 160 | 520 |
| Fluoranthene | ND | ug/L | 100 | 140 | 480 |
| Fluorene | ND | ug/L | 100 | 170 | 570 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 100 | 150 | 510 |
| 1-Methylnaphthalene | 660 | ug/L | 100 | 160 | 530 |
| 2-Methylnaphthalene | 810 | ug/L | 100 | 150 | 510 |
| 2-Methylphenol | ND | ug/L | 100 | 110 | 410 |
| 3 & 4-Methylphenol | ND | ug/L | 100 | 130 | 420 |
| Naphthalene | 4900 | ug/L | 100 | 170 | 550 |
| Phenanthrene | ND | ug/L | 100 | 140 | 480 |
| Phenol | ND | ug/L | 100 | 51 | 170 |
| Pyrene | ND | ug/L | 100 | 140 | 480 |
| Benzo[e]pyrene | ND | ug/L | 100 | 110 | 370 |
| 2-Fluorophenol (SURR**) | 28% | | | | |
| Phenol-d5 (SURR**) | 27% | | | | |
| Nitrobenzene-d5 (SURR**) | 84% | | | | |
| 2-Fluorobiphenyl (SURR**) | 80% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 48% | | | | |
| Terphenyl-d14 (SURR**) | 41% | | | | |

All matrix spike recoveries were within in-house QC limits.

Laboratory control and laboratory control spike duplicate recoveries for 2-Methylphenol, 3&4-Methylphenol, Acenaphthylene, Anthracene, and Benzo[a]pyrene were below in-house QC limits.

** Surrogates are used to evaluate a method's Quality Control.

# ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82087**
**Project Description: Xcel Ashland-25688375**
**Project Title:** **Template: SAT2NSP Printed: 07/27/2004 13:58**

**Sample: 341975 NS-GW-MW-05-0604** **Collected: 06/15/04** **Analyzed: 06/18/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 0.81 | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | ND | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | [0.19] | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 110% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 106% | | | | |

**Sample: 341976 NS-GW-MW-05B-0604** **Collected: 06/15/04** **Analyzed: 06/22/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 29000 | ug/L | 2500 | 290 | 960 |
| sec-Butylbenzene | ND | ug/L | 2500 | 390 | 1300 |
| Ethylbenzene | [590] | ug/L | 2500 | 350 | 1200 |
| ortho-Xylene | 1400 | ug/L | 2500 | 330 | 1100 |
| Styrene | 3800 | ug/L | 2500 | 350 | 1200 |
| Toluene | 18000 | ug/L | 2500 | 510 | 1900 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 2500 | 360 | 1200 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 2500 | 310 | 1000 |
| meta,para-Xylene | 2600 | ug/L | 2500 | 660 | 2200 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 2500 | 510 | 1700 |
| Dibromofluoromethane (SURR**) | 99% | | | | |
| Toluene-d8 (SURR**) | 108% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

**Sample: 341977 NS-GW-MW-05C-0604** **Collected: 06/15/04** **Analyzed: 06/22/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 0.42 | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | [0.33] | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 110% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82087**
**Project Description: Xcel Ashland-25688375**
**Project Title:** **Template: SAT2NSP Printed: 07/27/2004 13:58**

**Sample: 341978 NS-GW-Dup1-0604** **Collected: 06/15/04** **Analyzed: 06/22/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 0.42 | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | [0.46] | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 102% | | | | |
| Toluene-d8 (SURR**) | 106% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 105% | | | | |

**Sample: 341979 NS-GW-MW01-0604** **Collected: 06/15/04** **Analyzed: 06/18/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | ND | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 105% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

**Sample: 341980 NS-GW-MW05A-0604** **Collected: 06/15/04** **Analyzed: 06/18/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 22000 | ug/L | 2000 | 230 | 770 |
| sec-Butylbenzene | ND | ug/L | 2000 | 310 | 1000 |
| Ethylbenzene | 3000 | ug/L | 2000 | 280 | 940 |
| ortho-Xylene | [840] | ug/L | 2000 | 270 | 890 |
| Styrene | ND | ug/L | 2000 | 280 | 940 |
| Toluene | 5200 | ug/L | 2000 | 410 | 1500 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 2000 | 290 | 960 |
| 1,3,5-Trimethylbenzene | [430] | ug/L | 2000 | 240 | 810 |
| meta,para-Xylene | [1700] | ug/L | 2000 | 520 | 1800 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 2000 | 410 | 1400 |
| Dibromofluoromethane (SURR**) | 95% | | | | |
| Toluene-d8 (SURR**) | 103% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 97% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82087**

**Project Description: Xcel Ashland-25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 07/27/2004 13:58**

**Sample: 341981** **NS-GW-MW04A-0604** **Collected: 06/15/04** **Analyzed: 06/18/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 13000 | ug/L | 1000 | 120 | 380 |
| sec-Butylbenzene | ND | ug/L | 1000 | 160 | 520 |
| Ethylbenzene | 2500 | ug/L | 1000 | 140 | 470 |
| ortho-Xylene | 1300 | ug/L | 1000 | 130 | 440 |
| Styrene | 660 | ug/L | 1000 | 140 | 470 |
| Toluene | 7100 | ug/L | 1000 | 200 | 770 |
| 1,2,4-Trimethylbenzene | [460] | ug/L | 1000 | 140 | 480 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1000 | 120 | 410 |
| meta,para-Xylene | 2500 | ug/L | 1000 | 260 | 880 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1000 | 210 | 680 |
| Dibromofluoromethane (SURR**) | 94% | | | | |
| Toluene-d8 (SURR**) | 103% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 95% | | | | |

**Sample: 341982** **NS-GW-MW04-0604** **Collected: 06/15/04** **Analyzed: 06/18/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 3100 | ug/L | 500 | 58 | 190 |
| sec-Butylbenzene | ND | ug/L | 500 | 79 | 260 |
| Ethylbenzene | 2400 | ug/L | 500 | 71 | 230 |
| ortho-Xylene | 1200 | ug/L | 500 | 67 | 220 |
| Styrene | ND | ug/L | 500 | 70 | 230 |
| Toluene | 2600 | ug/L | 500 | 100 | 390 |
| 1,2,4-Trimethylbenzene | 450 | ug/L | 500 | 72 | 240 |
| 1,3,5-Trimethylbenzene | [93] | ug/L | 500 | 61 | 200 |
| meta,para-Xylene | 1800 | ug/L | 500 | 130 | 440 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 500 | 100 | 340 |
| Dibromofluoromethane (SURR**) | 93% | | | | |
| Toluene-d8 (SURR**) | 103% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

**Sample: 341983** **NS-GW-MW04B-0604** **Collected: 06/15/04** **Analyzed: 06/18/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 57000 | ug/L | 5000 | 580 | 1900 |
| sec-Butylbenzene | ND | ug/L | 5000 | 790 | 2600 |
| Ethylbenzene | [890] | ug/L | 5000 | 710 | 2300 |
| ortho-Xylene | [1500] | ug/L | 5000 | 670 | 2200 |
| Styrene | 4100 | ug/L | 5000 | 700 | 2300 |
| Toluene | 26000 | ug/L | 5000 | 1000 | 3900 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 5000 | 720 | 2400 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 5000 | 610 | 2000 |
| meta,para-Xylene | [3300] | ug/L | 5000 | 1300 | 4400 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 5000 | 1000 | 3400 |
| Dibromofluoromethane (SURR**) | 93% | | | | |
| Toluene-d8 (SURR**) | 106% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 96% | | | | |

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82087**
**Project Description: Xcel Ashland-25688375**
**Project Title:** **Template: SAT2NSP Printed: 07/27/2004 13:58**

**Sample: 341984 Trip Blank** **Collected: 06/15/04** **Analyzed: 06/18/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | [0.57] | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 95% | | | | |
| Toluene-d8 (SURR**) | 101% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 97% | | | | |

**Sample: 341985 NS-GW-MW14 0604** **Collected: 06/15/04** **Analyzed: 06/18/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 4800 | ug/L | 500 | 58 | 190 |
| sec-Butylbenzene | ND | ug/L | 500 | 79 | 260 |
| Ethylbenzene | 980 | ug/L | 500 | 71 | 230 |
| ortho-Xylene | 400 | ug/L | 500 | 67 | 220 |
| Styrene | ND | ug/L | 500 | 70 | 230 |
| Toluene | 1100 | ug/L | 500 | 100 | 390 |
| 1,2,4-Trimethylbenzene | [170] | ug/L | 500 | 72 | 240 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 500 | 61 | 200 |
| meta,para-Xylene | 610 | ug/L | 500 | 130 | 440 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 500 | 100 | 340 |
| Dibromofluoromethane (SURR**) | 96% | | | | |
| Toluene-d8 (SURR**) | 107% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 82145
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**Client:** URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

**Project:** Xcel Ashland 25688375

**NS-GW-MW-17-0604 NLS ID: 342126**
Ref. Line 1 COC 69746 NS-GW-MW-17-0604 Matrix: GW
Collected: 06/16/04 08:50 Received: 06/17/04
Notes: Hexavalent chromium bottle collected after 13:00.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 73 | mg/L | 1 | 0.0042 | 0.015 | 06/24/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.014] | mg/L | 1 | 0.0042 | 0.015 | 06/24/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/06/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/06/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 07/07/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | 12 | ug/L | 1 | 2.6 | 9.0 | 07/07/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 660 | ug/L | 1 | 2.5* | 5.0 | 06/24/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 150 | ug/L | 1 | 2.5* | 5.0 | 06/24/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 5 | 0.85 | 2.5 | 06/25/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 130 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 99 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 06/17/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 150 | ug/L | 1 | 3.6* | | 06/28/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 150 | ug/L | 1 | 0.51 | 1.8 | 06/24/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 06/24/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 55 | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 210 | ug/L | 1 | 1.3 | 4.0 | 06/24/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | [1.9] | ug/L | 1 | 1.3 | 4.0 | 06/24/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 06/21/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 69 | mg/L | 1 | 0.033 | 0.10 | 06/24/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 06/24/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 39 | ug/L | 1 | 0.87 | 3.0 | 06/24/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [1.5] | ug/L | 1 | 0.87 | 3.0 | 06/24/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 110 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 73 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 2700 | ug/L | 1 | 1.0* | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 67 | ug/L | 1 | 1.0* | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/21/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/21/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 94 | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [0.85] | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 5.2 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 19 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/06/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/06/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 32 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 37 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 06/25/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82145
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-17-0604 NLS ID: 342126**
Ref. Line 1 COC 69746 NS-GW-MW-17-0604 Matrix: GW
Collected: 06/16/04 08:50 Received: 06/17/04
Notes: Hexavalent chromium bottle collected after 13:00.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 06/28/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 170 | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [1.9] | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 520 | ug/L | 1 | 5.0* | 10 | 06/24/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [8.4] | ug/L | 1 | 5.0* | 10 | 06/24/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/22/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/23/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/21/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/21/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/27/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82145
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-17A-0604 NLS ID: 342127**
Ref. Line 2 COC 69746 NS-GW-MW-17A-0604 Matrix: GW
Collected: 06/16/04 09:15 Received: 06/17/04
Notes: Hexavalent chromium bottle collected after 13:00.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 8.3 | mg/L | 1 | 0.0042 | 0.015 | 06/24/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0050] | mg/L | 1 | 0.0042 | 0.015 | 06/24/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/06/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/06/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 07/07/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 07/07/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 110 | ug/L | 1 | 2.5* | 5.0 | 06/24/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 44 | ug/L | 1 | 2.5* | 5.0 | 06/24/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 18 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 16 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 06/17/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 9.9 | ug/L | 1 | 3.6* | | 06/28/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 9.9 | ug/L | 1 | 0.51 | 1.8 | 06/24/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 06/24/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 3.6 | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 25 | ug/L | 1 | 1.3 | 4.0 | 06/24/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 06/24/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 06/21/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 6.0 | mg/L | 1 | 0.033 | 0.10 | 06/24/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 06/24/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 7.7 | ug/L | 1 | 0.87 | 3.0 | 06/24/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [1.1] | ug/L | 1 | 0.87 | 3.0 | 06/24/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 6.9 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 3.9 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 190 | ug/L | 1 | 1.0* | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | [1.3] | ug/L | 1 | 1.0* | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/21/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/21/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 11 | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.2 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 6.3 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/06/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/06/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | [0.75] | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 18 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 18 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 06/25/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82145
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-17A-0604 NLS ID: 342127**
Ref. Line 2 COC 69746 NS-GW-MW-17A-0604 Matrix: GW
Collected: 06/16/04 09:15 Received: 06/17/04
Notes: Hexavalent chromium bottle collected after 13:00.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 06/28/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 16 | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [1.6] | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 55 | ug/L | 1 | 5.0* | 10 | 06/24/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 06/24/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/22/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/23/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/21/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/21/04 | SW846 3510 | 721026460 |
| Sem volatile GC/MS by 8270C | see attached | | | | | 06/27/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 82145
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel Ashland 25688375

**NS-GW-MW-6-0604 NLS ID: 342128**
Ref. Line 3 COC 69746 NS-GW-MW-6-0604 Matrix: GW
Collected: 06/16/04 13:00 Received: 06/17/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 9.0 | mg/L | 1 | 0.0042 | 0.015 | 06/24/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.014] | mg/L | 1 | 0.0042 | 0.015 | 06/24/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/06/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/06/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 07/07/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 07/07/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 1100 | ug/L | 1 | 2.5* | 5.0 | 06/24/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 820 | ug/L | 1 | 2.5* | 5.0 | 06/24/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | [0.21] | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | [0.24] | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 450 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 460 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 06/17/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 5.0 | ug/L | 1 | 3.6* | | 06/28/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [5.0] | ug/L | 5 | 2.6 | 9.0 | 06/25/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 5 | 2.6 | 9.0 | 06/25/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 14 | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 43 | ug/L | 1 | 1.3 | 4.0 | 06/24/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | 11 | ug/L | 1 | 1.3 | 4.0 | 06/24/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.0080] | mg/L | 1 | 0.0050 | 0.015 | 06/21/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 18 | mg/L | 1 | 0.033 | 0.10 | 06/24/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 06/24/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 12 | ug/L | 1 | 0.87 | 3.0 | 06/24/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [1.7] | ug/L | 1 | 0.87 | 3.0 | 06/24/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 100 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 100 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 16000 | ug/L | 5 | 5.0* | 10 | 06/25/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 7700 | ug/L | 5 | 5.0* | 10 | 06/25/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/21/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/21/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 20 | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 8.4 | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 3.1 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 5.0 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/06/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/06/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | [1.1] | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 1100 | mg/L | 10 | 0.12 | 0.44 | 06/28/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 1100 | mg/L | 10 | 0.12 | 0.44 | 06/28/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | [5.1] | ug/L | 1 | 2.5 | 8.7 | 06/25/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 06/28/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82145
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-6-0604 NLS ID: 342128**
Ref. Line 3 COC 69746 NS-GW-MW-6-0604 Matrix: GW
Collected: 06/16/04 13:00 Received: 06/17/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, tot. as V by ICP-Trace | 37 | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Zinc tot. as Zn by ICP-Trace | 54 | ug/L | 1 | 5.0* | 10 | 06/24/04 | SW846 6010 | 721026460 |
| Zinc dis. as Zn by ICP-Trace | 11 | ug/L | 1 | 5.0* | 10 | 06/24/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/22/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/23/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/21/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/21/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/27/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82145
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-6A-0604 NLS ID: 342129**
Ref. Line 4 COC 69746 NS-GW-MW-6A-0604 Matrix: GW
Collected: 06/16/04 10:05 Received: 06/17/04
Notes: Hexavalent chromium bottle collected after 13:00.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | [0.0070] | mg/L | 1 | 0.0042 | 0.015 | 06/24/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.012] | mg/L | 1 | 0.0042 | 0.015 | 06/24/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/06/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/06/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 07/07/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 07/07/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 650 | ug/L | 1 | 2.5* | 5.0 | 06/24/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 630 | ug/L | 1 | 2.5* | 5.0 | 06/24/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 270 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 270 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 06/17/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 06/28/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 2.0 | ug/L | 1 | 0.51 | 1.8 | 06/24/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | 1.9 | ug/L | 1 | 0.51 | 1.8 | 06/24/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | [2.9] | ug/L | 1 | 1.3 | 4.0 | 06/24/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | 6.1 | ug/L | 1 | 1.3 | 4.0 | 06/24/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 06/21/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 06/24/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 06/24/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | [2.1] | ug/L | 1 | 0.87 | 3.0 | 06/24/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [2.5] | ug/L | 1 | 0.87 | 3.0 | 06/24/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 110 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 110 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 35 | ug/L | 1 | 1.0* | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 51 | ug/L | 1 | 1.0* | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/21/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/21/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 2.3 | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 2.9 | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 7.8 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 7.7 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/06/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/06/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 290 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 300 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 06/25/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82145
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-6A-0604 NLS ID: 342129**
Ref. Line 4 COC 69746 NS-GW-MW-6A-0604 Matrix: GW
Collected: 06/16/04 10:05 Received: 06/17/04
Notes: Hexavalent chromium bottle collected after 13:00.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 06/28/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 9.0 | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 8.6 | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Zinc tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 06/24/04 | SW846 6010 | 721026460 |
| Zinc dis. as Zn by ICP-Trace | [9.9] | ug/L | 1 | 5.0* | 10 | 06/24/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/22/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/23/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/21/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/21/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/27/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82145
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-16-0604 NLS ID: 342130**
Ref. Line 5 COC 69746 NS-GW-MW-16-0604 Matrix: GW
Collected: 06/16/04 10:45 Received: 06/17/04
Notes: Hexavalent chromium bottle collected after 13:00.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 75 | mg/L | 1 | 0.0042 | 0.015 | 06/24/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0070] | mg/L | 1 | 0.0042 | 0.015 | 06/24/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/06/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/06/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 07/07/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | 13 | ug/L | 1 | 2.6 | 9.0 | 07/07/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 800 | ug/L | 1 | 2.5* | 5.0 | 06/24/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 230 | ug/L | 1 | 2.5* | 5.0 | 06/24/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 5 | 0.85 | 2.5 | 06/25/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 230 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 120 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 06/17/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 120 | ug/L | 1 | 3.6* | | 06/28/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 120 | ug/L | 1 | 0.51 | 1.8 | 06/24/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 06/24/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 40 | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | [1.3] | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 200 | ug/L | 1 | 1.3 | 4.0 | 06/24/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | 6.2 | ug/L | 1 | 1.3 | 4.0 | 06/24/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 06/21/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 67 | mg/L | 1 | 0.033 | 0.10 | 06/24/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 06/24/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 22 | ug/L | 1 | 0.87 | 3.0 | 06/24/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [1.5] | ug/L | 1 | 0.87 | 3.0 | 06/24/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 130 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 67 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 3400 | ug/L | 1 | 1.0* | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 1500 | ug/L | 1 | 1.0* | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/21/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | [0.037] | ug/L | 1 | 0.025 | 0.050 | 06/21/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 91 | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 6.8 | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 6.0 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 21 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/06/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/06/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 260 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 380 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 06/25/04 | SW846 7841 | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82145
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-16-0604 NLS ID: 342130**

Ref. Line 5 COC 69746 NS-GW-MW-16-0604 Matrix: GW
Collected: 06/16/04 10:45 Received: 06/17/04
Notes: Hexavalent chromium bottle collected after 13:00.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 06/28/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 160 | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 2.3 | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 210 | ug/L | 1 | 5.0* | 10 | 06/24/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [7.7] | ug/L | 1 | 5.0* | 10 | 06/24/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/22/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/23/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/21/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/21/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/27/04 | SW846 8270C | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel Ashland 25688375

NLS Project: 82145
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

**NS-GW-MW-11-0604 NLS ID: 342131**
Ref. Line 6 COC 69746 NS-GW-MW-11-0604 Matrix: GW
Collected: 06/16/04 11:30 Received: 06/17/04
Notes: Hexavalent chromium bottle collected after 13:00.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 5.0 | mg/L | 1 | 0.0042 | 0.015 | 06/24/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.012] | mg/L | 1 | 0.0042 | 0.015 | 06/24/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/06/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/06/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 07/07/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [2.7] | ug/L | 1 | 2.6 | 9.0 | 07/07/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 170 | ug/L | 1 | 2.5* | 5.0 | 06/24/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 130 | ug/L | 1 | 2.5* | 5.0 | 06/24/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 96 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 95 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 06/17/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 8.6 | ug/L | 1 | 3.6* | | 06/28/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 8.6 | ug/L | 1 | 0.51 | 1.8 | 06/24/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.88] | ug/L | 1 | 0.51 | 1.8 | 06/24/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 4.7 | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 14 | ug/L | 1 | 1.3 | 4.0 | 06/24/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | [3.4] | ug/L | 1 | 1.3 | 4.0 | 06/24/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.0070] | mg/L | 1 | 0.0050 | 0.015 | 06/21/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 5.4 | mg/L | 1 | 0.033 | 0.10 | 06/24/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 06/24/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 5.2 | ug/L | 1 | 0.87 | 3.0 | 06/24/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [1.7] | ug/L | 1 | 0.87 | 3.0 | 06/24/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 43 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 46 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 280 | ug/L | 1 | 1.0* | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 78 | ug/L | 1 | 1.0* | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/21/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/21/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 7.6 | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.7] | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | [1.8] | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 2.9 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/06/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/06/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 34 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 35 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 06/25/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82145
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-11-0604 NLS ID: 342131**
Ref. Line 6 COC 69746 NS-GW-MW-11-0604 Matrix: GW
Collected: 06/16/04 11:30 Received: 06/17/04
Notes: Hexavalent chromium bottle collected after 13:00.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 06/28/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 14 | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [1.5] | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 24 | ug/L | 1 | 5.0* | 10 | 06/24/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [7.9] | ug/L | 1 | 5.0* | 10 | 06/24/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/22/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/23/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/21/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/21/04 | SW846 3510 | 721026460 |
| Sem volatile GC/MS by 8270C | see attached | | | | | 06/27/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel Ashland 25688375

NLS Project: 82145
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**NS-GW-MW-19A-0604 NLS ID: 342132**
Ref. Line 7 COC 69746 NS-GW-MW-19A-0604 Matrix: GW
Collected: 06/16/04 12:10 Received: 06/17/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.72 | mg/L | 1 | 0.0042 | 0.015 | 06/24/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.010] | mg/L | 1 | 0.0042 | 0.015 | 06/24/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/06/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/06/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [2.7] | ug/L | 1 | 2.6 | 9.0 | 07/07/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 07/07/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 170 | ug/L | 1 | 2.5* | 5.0 | 06/24/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 160 | ug/L | 1 | 2.5* | 5.0 | 06/24/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 77 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 77 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 06/17/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 06/28/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [1.6] | ug/L | 1 | 0.51 | 1.8 | 06/24/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 06/24/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | [3.8] | ug/L | 1 | 1.3 | 4.0 | 06/24/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | [1.8] | ug/L | 1 | 1.3 | 4.0 | 06/24/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.010] | mg/L | 1 | 0.0050 | 0.015 | 06/21/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 0.56 | mg/L | 1 | 0.033 | 0.10 | 06/24/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | [0.046] | mg/L | 1 | 0.033 | 0.10 | 06/25/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | [2.0] | ug/L | 1 | 0.87 | 3.0 | 06/24/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [2.1] | ug/L | 1 | 0.87 | 3.0 | 06/24/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 34 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 34 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 72 | ug/L | 1 | 1.0* | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 56 | ug/L | 1 | 1.0* | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/21/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/21/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | [1.3] | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.5] | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 8.4 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 8.3 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/06/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/06/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 36 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 36 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 06/25/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 06/28/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82145
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-19A-0604 NLS ID: 342132**
Ref. Line 7 COC 69746 NS-GW-MW-19A-0604 Matrix: GW
Collected: 06/16/04 12:10 Received: 06/17/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, tot. as V by ICP-Trace | 2.1 | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [0.89] | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | [5.7] | ug/L | 1 | 5.0* | 10 | 06/24/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 06/24/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/22/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/23/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/21/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/21/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/27/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82145
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-Dup2-0604 NLS ID: 342133**
Ref. Line 8 COC 69746 NS-GW-Dup2-0604 Matrix: GW
Collected: 06/16/04 12:15 Received: 06/17/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.017 | mg/L | 1 | 0.0042 | 0.015 | 06/24/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 06/24/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/06/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/06/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [3.5] | ug/L | 1 | 2.6 | 9.0 | 07/07/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [4.7] | ug/L | 1 | 2.6 | 9.0 | 07/07/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 200 | ug/L | 1 | 2.5* | 5.0 | 06/24/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 200 | ug/L | 1 | 2.5* | 5.0 | 06/24/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 51 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 52 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 06/17/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 06/28/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [0.57] | ug/L | 1 | 0.51 | 1.8 | 06/24/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 06/24/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 06/24/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 06/24/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 06/21/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | [0.053] | mg/L | 1 | 0.033 | 0.10 | 06/24/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | [0.040] | mg/L | 1 | 0.033 | 0.10 | 06/25/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | [1.8] | ug/L | 1 | 0.87 | 3.0 | 06/24/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [0.95] | ug/L | 1 | 0.87 | 3.0 | 06/24/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 25 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 26 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 98 | ug/L | 1 | 1.0* | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 100 | ug/L | 1 | 1.0* | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/21/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/21/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.8 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 4.7 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/06/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/06/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 23 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 22 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 06/25/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 06/28/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82145
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-Dup2-0604 NLS ID: 342133**
Ref. Line 8 COC 69746 NS-GW-Dup2-0604 Matrix: GW
Collected: 06/16/04 12:15 Received: 06/17/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, tot. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Zinc tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 06/24/04 | SW846 6010 | 721026460 |
| Zinc dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 06/24/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/22/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/23/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/21/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/21/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/27/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82145
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-19B-0604 NLS ID: 342134**
Ref. Line 9 COC 69746 NS-GW-MW-19B-0604 Matrix: GW
Collected: 06/16/04 12:20 Received: 06/17/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | [0.014] | mg/L | 1 | 0.0042 | 0.015 | 06/24/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0050] | mg/L | 1 | 0.0042 | 0.015 | 06/24/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/06/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/06/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [5.1] | ug/L | 1 | 2.6 | 9.0 | 07/07/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [4.2] | ug/L | 1 | 2.6 | 9.0 | 07/07/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 200 | ug/L | 1 | 2.5* | 5.0 | 06/24/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 200 | ug/L | 1 | 2.5* | 5.0 | 06/24/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 51 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 52 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 06/17/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 06/28/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 06/24/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 06/24/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 06/24/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 06/24/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 06/21/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | [0.052] | mg/L | 1 | 0.033 | 0.10 | 06/24/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | [0.039] | mg/L | 1 | 0.033 | 0.10 | 06/25/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | [2.1] | ug/L | 1 | 0.87 | 3.0 | 06/24/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 06/24/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 25 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 26 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 99 | ug/L | 1 | 1.0* | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 100 | ug/L | 1 | 1.0* | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/21/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/21/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.9 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 4.8 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/06/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/06/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 23 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 22 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 06/25/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/07/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82145
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-19B-0604 NLS ID: 342134**
Ref. Line 9 COC 69746 NS-GW-MW-19B-0604 Matrix: GW
Collected: 06/16/04 12:20 Received: 06/17/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, tot. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Zinc tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 06/24/04 | SW846 6010 | 721026460 |
| Zinc dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 06/24/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/22/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/23/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/21/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/21/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/27/04 | SW846 8270C | 721026460 |

**Trip Blank NLS ID: 342135**
Ref. Line 10 COC 69746 Trip Blank Matrix: TB
Collected: 06/16/04 00:00 Received: 06/17/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 06/21/04 | SW846 8260 | 721026460 |

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82145**

**Project Description: Xcel Ashland 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:57**

**Sample: 342126** **NS-GW-MW-17-0604** **Collected: 06/16/04** **Analyzed: 06/27/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 43% | | | | |
| Phenol-d5 (SURR**) | 30% | | | | |
| Nitrobenzene-d5 (SURR**) | 90% | | | | |
| 2-Fluorobiphenyl (SURR**) | 80% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 84% | | | | |
| Terphenyl-d14 (SURR**) | 61% | | | | |

Matrix spike recoveries for Phenol, 2-Methylphenol, and 3&4-Methylphenol were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82145**
**Project Description: Xcel Ashland 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:57**

**Sample: 342127** **NS-GW-MW-17A-0604** **Collected: 06/16/04** **Analyzed: 06/27/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | [1.6] | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | [2.3] | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | 11 | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 42% | | | | |
| Phenol-d5 (SURR**) | 28% | | | | |
| Nitrobenzene-d5 (SURR**) | 86% | | | | |
| 2-Fluorobiphenyl (SURR**) | 79% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 88% | | | | |
| Terphenyl-d14 (SURR**) | 66% | | | | |

Matrix spike recoveries for Phenol, 2-Methylphenol, and 3&4-Methylphenol were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82145**

**Project Description: Xcel Ashland 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:57**

**Sample: 342128** **NS-GW-MW-6-0604** **Collected: 06/16/04** **Analyzed: 06/27/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 2% | | | | |
| Phenol-d5 (SURR**) | 3% | | | | |
| Nitrobenzene-d5 (SURR**) | 90% | | | | |
| 2-Fluorobiphenyl (SURR**) | 84% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 13% | | | | |
| Terphenyl-d14 (SURR**) | 62% | | | | |

Low acid extractable surrogate recoveries are due to sample matrix. Matrix spike confirms low surrogate values.
Matrix spike recoveries for Phenol, 2-Methylphenol, and 3&4-Methylphenol were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82145**
**Project Description: Xcel Ashland 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:57**

**Sample: 342129** **NS-GW-MW-6A-0604** **Collected: 06/16/04** **Analyzed: 06/27/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 35% | | | | |
| Phenol-d5 (SURR**) | 26% | | | | |
| Nitrobenzene-d5 (SURR**) | 82% | | | | |
| 2-Fluorobiphenyl (SURR**) | 78% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 74% | | | | |
| Terphenyl-d14 (SURR**) | 63% | | | | |

Matrix spike recoveries for Phenol, 2-Methylphenol, and 3&4-Methylphenol were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82145**

**Project Description: Xcel Ashland 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:57**

**Sample: 342130** **NS-GW-MW-16-0604** **Collected: 06/16/04** **Analyzed: 06/27/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 28% | | | | |
| Phenol-d5 (SURR**) | 21% | | | | |
| Nitrobenzene-d5 (SURR**) | 82% | | | | |
| 2-Fluorobiphenyl (SURR**) | 78% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 54% | | | | |
| Terphenyl-d14 (SURR**) | 59% | | | | |

Matrix spike recoveries for Phenol, 2-Methylphenol, and 3&4-Methylphenol were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82145**
**Project Description: Xcel Ashland 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:57**

**Sample: 342131** **NS-GW-MW-11-0604** **Collected: 06/16/04** **Analyzed: 06/27/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 44% | | | | |
| Phenol-d5 (SURR**) | 30% | | | | |
| Nitrobenzene-d5 (SURR**) | 89% | | | | |
| 2-Fluorobiphenyl (SURR**) | 85% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 93% | | | | |
| Terphenyl-d14 (SURR**) | 74% | | | | |

Matrix spike recoveries for Phenol, 2-Methylphenol, and 3&4-Methylphenol were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82145**

**Project Description: Xcel Ashland 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:57**

**Sample: 342132** **NS-GW-MW-19A-0604** **Collected: 06/16/04** **Analyzed: 06/27/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 300 | 1000 |
| Acenaphthylene | ND | ug/L | 200 | 340 | 1100 |
| Anthracene | ND | ug/L | 200 | 270 | 900 |
| Benzo[a]anthracene | ND | ug/L | 200 | 280 | 920 |
| Benzo[a]pyrene | ND | ug/L | 200 | 280 | 920 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 250 | 840 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 270 | 900 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 340 | 1100 |
| Chrysene | ND | ug/L | 200 | 280 | 930 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 260 | 880 |
| Dibenzofuran | ND | ug/L | 200 | 310 | 1000 |
| Fluoranthene | ND | ug/L | 200 | 290 | 950 |
| Fluorene | ND | ug/L | 200 | 340 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 310 | 1000 |
| 1-Methylnaphthalene | [820] | ug/L | 200 | 320 | 1100 |
| 2-Methylnaphthalene | 1200 | ug/L | 200 | 310 | 1000 |
| 2-Methylphenol | [530] | ug/L | 200 | 220 | 820 |
| 3 & 4-Methylphenol | [820] | ug/L | 200 | 250 | 840 |
| Naphthalene | 7800 | ug/L | 200 | 330 | 1100 |
| Phenanthrene | ND | ug/L | 200 | 290 | 950 |
| Phenol | [170] | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 290 | 960 |
| Benzo[e]pyrene | ND | ug/L | 200 | 220 | 740 |
| 2-Fluorophenol (SURR**) | 34% | | | | |
| Phenol-d5 (SURR**) | 30% | | | | |
| Nitrobenzene-d5 (SURR**) | 90% | | | | |
| 2-Fluorobiphenyl (SURR**) | 98% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 58% | | | | |
| Terphenyl-d14 (SURR**) | 78% | | | | |

Matrix spike recoveries for Phenol, 2-Methylphenol, and 3&4-Methylphenol were below QC limits.

Laboratory control spike and laboratory control spike duplicate percent difference exceeded control limits for 2-Methylphenol and 3&4-Methylphenol.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82145**
**Project Description: Xcel Ashland 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:57**

**Sample: 342133** **NS-GW-Dup2-0604** **Collected: 06/16/04** **Analyzed: 06/27/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 100 | 150 | 500 |
| Acenaphthylene | [210] | ug/L | 100 | 170 | 560 |
| Anthracene | ND | ug/L | 100 | 140 | 450 |
| Benzo[a]anthracene | ND | ug/L | 100 | 140 | 460 |
| Benzo[a]pyrene | ND | ug/L | 100 | 140 | 460 |
| Benzo[b]fluoranthene | ND | ug/L | 100 | 130 | 420 |
| Benzo[g,h,i]perylene | ND | ug/L | 100 | 130 | 450 |
| Benzo[k]fluoranthene | ND | ug/L | 100 | 170 | 560 |
| Chrysene | ND | ug/L | 100 | 140 | 460 |
| Dibenzo[a,h]anthracene | ND | ug/L | 100 | 130 | 440 |
| Dibenzofuran | ND | ug/L | 100 | 160 | 520 |
| Fluoranthene | ND | ug/L | 100 | 140 | 480 |
| Fluorene | ND | ug/L | 100 | 170 | 570 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 100 | 150 | 510 |
| 1-Methylnaphthalene | [480] | ug/L | 100 | 160 | 530 |
| 2-Methylnaphthalene | 710 | ug/L | 100 | 150 | 510 |
| 2-Methylphenol | ND | ug/L | 100 | 110 | 410 |
| 3 & 4-Methylphenol | ND | ug/L | 100 | 130 | 420 |
| Naphthalene | 4300 | ug/L | 100 | 170 | 550 |
| Phenanthrene | ND | ug/L | 100 | 140 | 480 |
| Phenol | ND | ug/L | 100 | 51 | 170 |
| Pyrene | ND | ug/L | 100 | 140 | 480 |
| Benzo[e]pyrene | ND | ug/L | 100 | 110 | 370 |
| 2-Fluorophenol (SURR**) | 33% | | | | |
| Phenol-d5 (SURR**) | 25% | | | | |
| Nitrobenzene-d5 (SURR**) | 81% | | | | |
| 2-Fluorobiphenyl (SURR**) | 95% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 47% | | | | |
| Terphenyl-d14 (SURR**) | 64% | | | | |

Matrix spike recoveries for Phenol, 2-Methylphenol, and 3&4-Methylphenol were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82145**

**Project Description: Xcel Ashland 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:57**

**Sample: 342134** **NS-GW-MW-19B-0604** **Collected: 06/16/04** **Analyzed: 06/27/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 100 | 150 | 500 |
| Acenaphthylene | [200] | ug/L | 100 | 170 | 560 |
| Anthracene | ND | ug/L | 100 | 140 | 450 |
| Benzo[a]anthracene | ND | ug/L | 100 | 140 | 460 |
| Benzo[a]pyrene | ND | ug/L | 100 | 140 | 460 |
| Benzo[b]fluoranthene | ND | ug/L | 100 | 130 | 420 |
| Benzo[g,h,i]perylene | ND | ug/L | 100 | 130 | 450 |
| Benzo[k]fluoranthene | ND | ug/L | 100 | 170 | 560 |
| Chrysene | ND | ug/L | 100 | 140 | 460 |
| Dibenzo[a,h]anthracene | ND | ug/L | 100 | 130 | 440 |
| Dibenzofuran | ND | ug/L | 100 | 160 | 520 |
| Fluoranthene | ND | ug/L | 100 | 140 | 480 |
| Fluorene | ND | ug/L | 100 | 170 | 570 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 100 | 150 | 510 |
| 1-Methylnaphthalene | [470] | ug/L | 100 | 160 | 530 |
| 2-Methylnaphthalene | 690 | ug/L | 100 | 150 | 510 |
| 2-Methylphenol | ND | ug/L | 100 | 110 | 410 |
| 3 & 4-Methylphenol | ND | ug/L | 100 | 130 | 420 |
| Naphthalene | 4300 | ug/L | 100 | 170 | 550 |
| Phenanthrene | ND | ug/L | 100 | 140 | 480 |
| Phenol | ND | ug/L | 100 | 51 | 170 |
| Pyrene | ND | ug/L | 100 | 140 | 480 |
| Benzo[e]pyrene | ND | ug/L | 100 | 110 | 370 |
| 2-Fluorophenol (SURR**) | 44% | | | | |
| Phenol-d5 (SURR**) | 23% | | | | |
| Nitrobenzene-d5 (SURR**) | 85% | | | | |
| 2-Fluorobiphenyl (SURR**) | 88% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 37% | | | | |
| Terphenyl-d14 (SURR**) | 59% | | | | |

Matrix spike recoveries for Phenol, 2-Methylphenol, and 3&4-Methylphenol were below QC limits.

** Surrogates are used to evaluate a method's Quality Control.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82145**

**Project Description: Xcel Ashland 25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 07/27/2004 13:57**

**Sample: 342126** **NS-GW-MW-1[illegible]-0604** **Collected: 06/16/04** **Analyzed: 06/21/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 0.85 | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | [0.16] | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | 1.3 | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | [0.45] | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 99% | | | | |
| Toluene-d8 (SURR**) | 106% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

**Sample: 342127** **NS-GW-MW-1[illegible]A-0604** **Collected: 06/16/04** **Analyzed: 06/21/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 1.2 | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | [0.19] | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | 0.55 | ug/L | 1 | 0.13 | 0.44 |
| Styrene | 1.5 | ug/L | 1 | 0.14 | 0.47 |
| Toluene | 2.6 | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | [0.30] | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | 0.99 | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 92% | | | | |
| Toluene-d8 (SURR**) | 101% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

**Sample: 342128** **NS-GW-MW-6-0604** **Collected: 06/16/04** **Analyzed: 06/21/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | ND | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 108% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 103% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82145**

**Project Description: Xcel Ashland 25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 07/27/2004 13:57**

**Sample: 342129** **NS-GW-MW-6A-0604** **Collected: 06/16/04** **Analyzed: 06/21/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | ND | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 101% | | | | |
| Toluene-d8 (SURR**) | 112% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 103% | | | | |

**Sample: 342130** **NS-GW-MW-16-0604** **Collected: 06/16/04** **Analyzed: 06/21/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | ND | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 99% | | | | |
| Toluene-d8 (SURR**) | 110% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

**Sample: 342131** **NS-GW-MW-11-0604** **Collected: 06/16/04** **Analyzed: 06/21/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | ND | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 98% | | | | |
| Toluene-d8 (SURR**) | 103% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82145**
**Project Description: Xcel Ashland 25688375**
**Project Title:** **Template: SAT2NSP** **Printed: 07/27/2004 13:57**

**Sample: 342132** **NS-GW-MW-19A-0604** **Collected: 06/16/04** **Analyzed: 06/21/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 34000 | ug/L | 2500 | 290 | 960 |
| sec-Butylbenzene | ND | ug/L | 2500 | 390 | 1300 |
| Ethylbenzene | [600] | ug/L | 2500 | 350 | 1200 |
| ortho-Xylene | 1400 | ug/L | 2500 | 330 | 1100 |
| Styrene | 4000 | ug/L | 2500 | 350 | 1200 |
| Toluene | 20000 | ug/L | 2500 | 510 | 1900 |
| 1,2,4-Trimethylbenzene | [380] | ug/L | 2500 | 360 | 1200 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 2500 | 310 | 1000 |
| meta,para-Xylene | 2800 | ug/L | 2500 | 660 | 2200 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 2500 | 510 | 1700 |
| Dibromofluoromethane (SURR**) | 102% | | | | |
| Toluene-d8 (SURR**) | 111% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 103% | | | | |

**Sample: 342133** **NS-GW-Dup2-0604** **Collected: 06/16/04** **Analyzed: 06/21/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 6400 | ug/L | 500 | 58 | 190 |
| sec-Butylbenzene | ND | ug/L | 500 | 79 | 260 |
| Ethylbenzene | 270 | ug/L | 500 | 71 | 230 |
| ortho-Xylene | 800 | ug/L | 500 | 67 | 220 |
| Styrene | 2200 | ug/L | 500 | 70 | 230 |
| Toluene | 8100 | ug/L | 500 | 100 | 390 |
| 1,2,4-Trimethylbenzene | 250 | ug/L | 500 | 72 | 240 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 500 | 61 | 200 |
| meta,para-Xylene | 1600 | ug/L | 500 | 130 | 440 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 500 | 100 | 340 |
| Dibromofluoromethane (SURR**) | 98% | | | | |
| Toluene-d8 (SURR**) | 112% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 103% | | | | |

**Sample: 342134** **NS-GW-MW-19B-0604** **Collected: 06/16/04** **Analyzed: 06/21/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 6400 | ug/L | 500 | 58 | 190 |
| sec-Butylbenzene | ND | ug/L | 500 | 79 | 260 |
| Ethylbenzene | 280 | ug/L | 500 | 71 | 230 |
| ortho-Xylene | 790 | ug/L | 500 | 67 | 220 |
| Styrene | 2200 | ug/L | 500 | 70 | 230 |
| Toluene | 7600 | ug/L | 500 | 100 | 390 |
| 1,2,4-Trimethylbenzene | 250 | ug/L | 500 | 72 | 240 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 500 | 61 | 200 |
| meta,para-Xylene | 1500 | ug/L | 500 | 130 | 440 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 500 | 100 | 340 |
| Dibromofluoromethane (SURR**) | 94% | | | | |
| Toluene-d8 (SURR**) | 102% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82145**

**Project Description: Xcel Ashland 25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 07/27/2004 13:57**

**Sample: 342135** **Trip Blank** **Collected: 06/16/04** **Analyzed: 06/21/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | [0.53] | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 101% | | | | |
| Toluene-d8 (SURR**) | 106% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82200
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel-Ashland 25688375

**NS-GW-MW2BR-0604 NLS ID: 342181**
Ref. Line 1 COC 69748 NS-GW-MW2BR-0504 Matrix: GW
Collected: 06/17/04 09:45 Received: 06/18/04
Notes: Hexavalent chromium collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.62 | mg/L | 1 | 0.0042 | 0.015 | 06/24/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | 0.057 | mg/L | 1 | 0.0042 | 0.015 | 06/24/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/12/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/12/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 07/10/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [2.8] | ug/L | 1 | 2.6 | 9.0 | 07/10/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 77 | ug/L | 1 | 2.5* | 5.0 | 06/24/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 71 | ug/L | 1 | 2.5* | 5.0 | 06/24/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 23 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 23 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 06/18/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 06/28/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [1.4] | ug/L | 1 | 0.51 | 1.8 | 06/24/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.82] | ug/L | 1 | 0.51 | 1.8 | 06/24/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | [3.5] | ug/L | 1 | 1.3 | 4.0 | 06/24/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 06/24/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.0090] | mg/L | 1 | 0.0050 | 0.015 | 06/21/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 0.59 | mg/L | 1 | 0.033 | 0.10 | 06/24/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 0.12 | mg/L | 1 | 0.033 | 0.10 | 06/24/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 3.5 | ug/L | 1 | 0.87 | 3.0 | 06/24/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [2.4] | ug/L | 1 | 0.87 | 3.0 | 06/24/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 8.2 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 8.2 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 140 | ug/L | 1 | 1.0* | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 120 | ug/L | 1 | 1.0* | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/23/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/23/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | [1.5] | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.0] | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.7 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 4.9 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/08/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/08/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 20 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 21 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 06/25/04 | SW846 7841 | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
***Ph: (715)-478-2777 Fax: (715)-478-3060***

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Ben Nelson**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 82200**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel-Ashland 25688375**

**NS-GW-MW2BR-0604 NLS ID: 342381**
Ref. Line 1 COC 69748 NS-GW-MW2BR-0604 Matrix: GW
Collected: 06/17/04 09:45 Received: 06/18/04
Notes: Hexavalent chromium collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/07/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | [1.7] | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [0.81] | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | [7.9] | ug/L | 1 | 5.0* | 10 | 06/24/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [5.4] | ug/L | 1 | 5.0* | 10 | 06/24/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/22/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/23/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/22/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/21/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/25/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82200
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel-Ashland 25688375

**NS-GW-MW2C-0604 MS/MSD NLS ID: 342382**
Ref. Line 2 COC 69748 NS-GW-MW2C-0604 MS/MSD Matrix: GW
Collected: 06/17/04 10:00 Received: 06/18/04
Notes: Hexavalent chromium collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 8.9 | mg/L | 1 | 0.0042 | 0.015 | 06/24/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 06/24/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 2 | 6.4 | 23 | 07/12/04 | SW846 7041 | 721026460 |
| | Matrix spike was out of control at 51%. Further dilution of the sample did not improve spike recovery. Problem attributed to sample matrix | | | | | | | |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 2 | 6.4 | 23 | 07/12/04 | SW846 7041 | 721026460 |
| | Matrix spike recovery was out of control at 43%. Further dilution did not improve spike recovery. Problem attributed to sample matrix. | | | | | | | |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 07/10/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 07/10/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 130 | ug/L | 1 | 2.5* | 5.0 | 06/24/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 76 | ug/L | 1 | 2.5* | 5.0 | 06/24/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/29/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 39 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 30 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 11 | ug/L | 1 | 3.6* | | 06/18/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | | | 3.6* | | 06/28/04 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | |
| Chromium, tot. as Cr by ICP-Trace | 7.2 | ug/L | 1 | 0.51 | 1.8 | 06/24/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 06/24/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | [1.1] | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 13 | ug/L | 1 | 1.3 | 4.0 | 06/24/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 06/24/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 06/21/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 5.3 | mg/L | 1 | 0.033 | 0.10 | 06/24/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 06/24/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 23 | ug/L | 1 | 0.87 | 3.0 | 06/24/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [1.5] | ug/L | 1 | 0.87 | 3.0 | 06/24/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 14 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 11 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 190 | ug/L | 1 | 1.0* | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 77 | ug/L | 1 | 1.0* | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/23/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | [0.034] | ug/L | 1 | 0.025 | 0.050 | 06/23/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 5.8 | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 7.4 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 8.6 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/08/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/08/04 | SW846 7740 | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82200
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel-Ashland 25688375

**NS-GW-MW2C-0604 MS/MSD NLS ID: 342382**
Ref. Line 2 COC 69748 NS-GW-MW2C-0604 MS/MSD Matrix: GW
Collected: 06/17/04 10:00 Received: 06/18/04
Notes: Hexavalent chromium collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 41 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 42 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 06/25/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 06/28/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 8.1 | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [1.2] | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 51 | ug/L | 1 | 5.0* | 10 | 06/24/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 06/24/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/22/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/23/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/22/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/21/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/25/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82200
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel-Ashland 25688375

**NS-GW-MW18B-0604 NLS ID: 342383**
Ref. Line 4 COC 69748 NS-GW-MW18B-0604 Matrix: GW
Collected: 06/17/04 12:20 Received: 06/18/04
Notes: Hexavalent chromium collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 5.0 | mg/L | 1 | 0.0042 | 0.015 | 06/24/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0070] | mg/L | 1 | 0.0042 | 0.015 | 06/24/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/12/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/12/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 07/10/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 07/10/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 110 | ug/L | 1 | 2.5* | 5.0 | 06/24/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 70 | ug/L | 1 | 2.5* | 5.0 | 06/24/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | [0.44] | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | [0.19] | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 23 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 21 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 06/18/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 7.4 | ug/L | 1 | 3.6* | | 06/28/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 7.4 | ug/L | 1 | 0.51 | 1.8 | 06/24/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.53] | ug/L | 1 | 0.51 | 1.8 | 06/24/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 2.3 | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 32 | ug/L | 1 | 1.3 | 4.0 | 06/24/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 06/24/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 06/21/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 4.5 | mg/L | 1 | 0.033 | 0.10 | 06/24/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 06/24/04 | SW846 6010 | 721026460 |
| Lead tot. as Pb by ICP-Trace | 11 | ug/L | 1 | 0.87 | 3.0 | 06/24/04 | SW846 6010 | 721026460 |
| Lead dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 06/24/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 8.0 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 6.4 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 200 | ug/L | 1 | 1.0* | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 92 | ug/L | 1 | 1.0* | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/23/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/23/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 9.0 | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.4] | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.4 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 5.9 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/08/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/08/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | [1.8] | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 13 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 13 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 06/25/04 | SW846 7841 | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 82200
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel-Ashland 25688375

**NS-GW-MW18B-0604 NLS ID: 342383**
Ref. Line 4 COC 69748 NS-GW-MW18B-0604 Matrix: GW
Collected: 06/17/04 12:20 Received: 06/18/04
Notes: Hexavalent chromium collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/07/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 9.1 | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [0.80] | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 67 | ug/L | 1 | 5.0* | 10 | 06/24/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [6.5] | ug/L | 1 | 5.0* | 10 | 06/24/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/22/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/23/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/22/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/21/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/25/04 | SW846 8270C | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82200
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel-Ashland 25688375

**NS-GW-MW18A-0604 NLS ID: 342384**
Ref. Line 5 COC 69748 NS-GW-MW18A-0604 Matrix: GW
Collected: 06/17/04 10:20 Received: 06/18/04
Notes: Hexavalent chromium collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 5.3 | mg/L | 1 | 0.0042 | 0.015 | 06/24/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0060] | mg/L | 1 | 0.0042 | 0.015 | 06/24/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/12/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/12/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [6.0] | ug/L | 1 | 2.6 | 9.0 | 07/10/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [7.3] | ug/L | 1 | 2.6 | 9.0 | 07/10/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 270 | ug/L | 1 | 2.5* | 5.0 | 06/24/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 210 | ug/L | 1 | 2.5* | 5.0 | 06/24/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 66 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 66 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 5.0 | ug/L | 1 | 3.6* | | 06/18/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 06/28/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 6.4 | ug/L | 1 | 0.51 | 1.8 | 06/24/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 06/24/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 2.3 | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 23 | ug/L | 1 | 1.3 | 4.0 | 06/24/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 06/24/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.012] | mg/L | 1 | 0.0050 | 0.015 | 06/21/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 4.1 | mg/L | 1 | 0.033 | 0.10 | 06/24/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | [0.040] | mg/L | 1 | 0.033 | 0.10 | 06/24/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 4.4 | ug/L | 1 | 0.87 | 3.0 | 06/24/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [1.5] | ug/L | 1 | 0.87 | 3.0 | 06/24/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 33 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 31 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 320 | ug/L | 1 | 1.0* | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 280 | ug/L | 1 | 1.0* | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/23/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/23/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 10 | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 6.2 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 7.2 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/08/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/08/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 34 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 29 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 06/25/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82200
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel-Ashland 25688375

**NS-GW-MW18A-0604 NLS ID: 342384**
Ref. Line 5 COC 69748 NS-GW-MW18A-0604 Matrix: GW
Collected: 06/17/04 10:20 Received: 06/18/04
Notes: Hexavalent chromium collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/07/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 10 | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 27 | ug/L | 1 | 5.0* | 10 | 06/24/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 06/24/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/22/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/23/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/22/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/21/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/25/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-950
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82200
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel-Ashland 25688375

**NS-GW-MW22A-0604 NLS ID: 342385**
Ref. Line 6 COC 69748 NS-GW-MW22A-0604 Matrix: GW
Collected: 06/17/04 13:10 Received: 06/18/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 6.6 | mg/L | 1 | 0.0042 | 0.015 | 06/24/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0060] | mg/L | 1 | 0.0042 | 0.015 | 06/24/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/12/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/12/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [8.1] | ug/L | 1 | 2.6 | 9.0 | 07/10/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [8.1] | ug/L | 1 | 2.6 | 9.0 | 07/10/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 940 | ug/L | 1 | 2.5* | 5.0 | 06/24/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 900 | ug/L | 1 | 2.5* | 5.0 | 06/24/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 110 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 110 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 14 | ug/L | 1 | 3.6* | | 06/18/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | | | 3.6* | | 06/28/04 | Calc. | 721026460 |
| No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | | |
| Chromium, tot. as Cr by ICP-Trace | 10 | ug/L | 1 | 0.51 | 1.8 | 06/24/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 06/24/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 4.4 | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | 3.0 | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 37 | ug/L | 1 | 1.3 | 4.0 | 06/24/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | [1.6] | ug/L | 1 | 1.3 | 4.0 | 06/24/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | 0.038 | mg/L | 1 | 0.0050 | 0.015 | 06/21/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 8.0 | mg/L | 1 | 0.033 | 0.10 | 06/24/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 2.1 | mg/L | 1 | 0.033 | 0.10 | 06/24/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 6.1 | ug/L | 1 | 0.87 | 3.0 | 06/24/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [1.9] | ug/L | 1 | 0.87 | 3.0 | 06/24/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 68 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 69 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 1500 | ug/L | 1 | 1.0* | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 1500 | ug/L | 1 | 1.0* | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/23/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/23/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 10 | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 3.7 | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 13 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 14 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/08/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/08/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 43 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 44 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/07/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 82200
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel-Ashland 25688375

**NS-GW-MW22A-0604 NLS ID: 342385**
Ref. Line 6 COC 69748 NS-GW-MW22A-0604 Matrix: GW
Collected: 06/17/04 13:10 Received: 06/18/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/07/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 15 | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [0.83] | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 63 | ug/L | 1 | 5.0* | 10 | 06/24/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [9.3] | ug/L | 1 | 5.0* | 10 | 06/24/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/22/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/23/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/22/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/21/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/25/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82200
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel-Ashland 25688375

**NS-GW-MW22B-0604 NLS ID: 342386**
*Ref. Line 7 COC 69748 NS-GW-MW22B-0604 Matrix: GW*
Collected: 06/17/04 13:00 Received: 06/18/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.022 | mg/L | 1 | 0.0042 | 0.015 | 06/24/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0050] | mg/L | 1 | 0.0042 | 0.015 | 06/24/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/12/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/12/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [7.4] | ug/L | 1 | 2.6 | 9.0 | 07/10/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [6.7] | ug/L | 1 | 2.6 | 9.0 | 07/10/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 120 | ug/L | 1 | 2.5* | 5.0 | 06/24/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 120 | ug/L | 1 | 2.5* | 5.0 | 06/24/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 110 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 110 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 06/18/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 06/28/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 06/24/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 06/24/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 06/24/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 06/24/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 06/21/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 0.52 | mg/L | 1 | 0.033 | 0.10 | 06/24/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 0.49 | mg/L | 1 | 0.033 | 0.10 | 06/24/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | [2.0] | ug/L | 1 | 0.87 | 3.0 | 06/24/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [1.1] | ug/L | 1 | 0.87 | 3.0 | 06/24/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 74 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 75 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 220 | ug/L | 1 | 1.0* | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 220 | ug/L | 1 | 1.0* | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/23/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/23/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | [1.6] | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.7] | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 7.7 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 7.4 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/08/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/08/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 32 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 33 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/07/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/07/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel-Ashland 25688375

NLS Project: 82200
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**NS-GW-MW22B-0604 NLS ID: 342386**
Ref. Line 7 COC 69748 NS-GW-MW22B-0604 Matrix: GW
Collected: 06/17/04 13:00 Received: 06/18/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, tot. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | [6.2] | ug/L | 1 | 5.0* | 10 | 06/24/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 06/24/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/22/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/23/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/22/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/21/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/25/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82200
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel-Ashland 25688375

**NS-GW-Dup 3-0604 NLS ID: 342387**
Ref. Line 8 COC 69748 NS-GW-Dup 3-0604 Matrix: GW
Collected: 06/17/04 13:05 Received: 06/18/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.017 | mg/L | 1 | 0.0042 | 0.015 | 06/24/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 06/24/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/12/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/12/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [7.6] | ug/L | 1 | 2.6 | 9.0 | 07/10/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [7.1] | ug/L | 1 | 2.6 | 9.0 | 07/10/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 120 | ug/L | 1 | 2.5* | 5.0 | 06/24/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 130 | ug/L | 1 | 2.5* | 5.0 | 06/24/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/24/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 110 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 110 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 9.3 | ug/L | 1 | 3.6* | | 06/18/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | | | 3.6* | | 06/28/04 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | |
| Chromium, tot. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 06/24/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 06/24/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 06/24/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 06/24/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 06/21/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 0.51 | mg/L | 1 | 0.033 | 0.10 | 06/24/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 0.50 | mg/L | 1 | 0.033 | 0.10 | 06/24/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | [1.9] | ug/L | 1 | 0.87 | 3.0 | 06/24/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [1.6] | ug/L | 1 | 0.87 | 3.0 | 06/24/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 73 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 76 | mg/L | 1 | 0.15* | 0.30 | 06/24/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 220 | ug/L | 1 | 1.0* | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 220 | ug/L | 1 | 1.0* | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/23/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/23/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | [1.3] | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.1] | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 7.5 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 7.3 | mg/L | 1 | 0.53 | 1.9 | 06/28/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/08/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/08/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 33 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 32 | mg/L | 1 | 0.012 | 0.044 | 06/28/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/07/04 | SW846 7841 | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Ben Nelson**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 82200**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel-Ashland 25688375**

**NS-GW-Dup 3-0604 NLS ID: 342387**
Ref. Line 8 COC 69748 NS-GW-Dup 3-0604 Matrix: GW
Collected: 06/17/04 13:05 Received: 06/18/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/07/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/24/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | [5.4] | ug/L | 1 | 5.0* | 10 | 06/24/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 06/24/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/22/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/23/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/22/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/21/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 06/25/04 | SW846 8270C | 721026460 |

**Trip Blank NLS ID: 342388**
Ref. Line COC 69748 Trip Blank Matrix: TB
Collected: 06/17/04 00:00 Received: 06/18/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 06/22/04 | SW846 8260 | 721026460 |

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82200**
**Project Description: Xcel-Ashland 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:56**

**Sample: 342381** **NS-GW-MW2E R-0604** **Collected: 06/17/04** **Analyzed: 06/25/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 100 | 150 | 500 |
| Acenaphthylene | [230] | ug/L | 100 | 170 | 560 |
| Anthracene | ND | ug/L | 100 | 140 | 450 |
| Benzo[a]anthracene | ND | ug/L | 100 | 140 | 460 |
| Benzo[a]pyrene | ND | ug/L | 100 | 140 | 460 |
| Benzo[b]fluoranthene | ND | ug/L | 100 | 130 | 420 |
| Benzo[g,h,i]perylene | ND | ug/L | 100 | 130 | 450 |
| Benzo[k]fluoranthene | ND | ug/L | 100 | 170 | 560 |
| Chrysene | ND | ug/L | 100 | 140 | 460 |
| Dibenzo[a,h]anthracene | ND | ug/L | 100 | 130 | 440 |
| Dibenzofuran | ND | ug/L | 100 | 160 | 520 |
| Fluoranthene | ND | ug/L | 100 | 140 | 480 |
| Fluorene | ND | ug/L | 100 | 170 | 570 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 100 | 150 | 510 |
| 1-Methylnaphthalene | 600 | ug/L | 100 | 160 | 530 |
| 2-Methylnaphthalene | 880 | ug/L | 100 | 150 | 510 |
| 2-Methylphenol | ND | ug/L | 100 | 110 | 410 |
| 3 & 4-Methylphenol | ND | ug/L | 100 | 130 | 420 |
| Naphthalene | 5200 | ug/L | 100 | 170 | 550 |
| Phenanthrene | ND | ug/L | 100 | 140 | 480 |
| Phenol | ND | ug/L | 100 | 51 | 170 |
| Pyrene | ND | ug/L | 100 | 140 | 480 |
| Benzo[e]pyrene | ND | ug/L | 100 | 110 | 370 |
| 2-Fluorophenol (SURR**) | 36% | | | | |
| Phenol-d5 (SURR**) | 23% | | | | |
| Nitrobenzene-d5 (SURR**) | 89% | | | | |
| 2-Fluorobiphenyl (SURR**) | 103% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 53% | | | | |
| Terphenyl-d14 (SURR**) | 79% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82200**

**Project Description: Xcel-Ashland 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:56**

**Sample: 342382** **NS-GW-MW2C-0604 MS/MSD** **Collected: 06/17/04** **Analyzed: 06/25/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| *Dibenzofuran* | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 35% | | | | |
| Phenol-d5 (SURR**) | 26% | | | | |
| Nitrobenzene-d5 (SURR**) | 89% | | | | |
| 2-Fluorobiphenyl (SURR**) | 86% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 78% | | | | |
| Terphenyl-d14 (SURR**) | 57% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82200**
**Project Description: Xcel-Ashland 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:56**

**Sample: 342383** **NS-GW-MW18B-0604** **Collected: 06/17/04** **Analyzed: 06/25/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 46% | | | | |
| Phenol-d5 (SURR**) | 29% | | | | |
| Nitrobenzene-d5 (SURR**) | 88% | | | | |
| 2-Fluorobiphenyl (SURR**) | 86% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 94% | | | | |
| Terphenyl-d14 (SURR**) | 70% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82200**

**Project Description: Xcel-Ashland 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:56**

**Sample: 342384** **NS-GW-MW18A-0604** **Collected: 06/17/04** **Analyzed: 06/25/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 100 | 150 | 500 |
| Acenaphthylene | ND | ug/L | 100 | 170 | 560 |
| Anthracene | ND | ug/L | 100 | 140 | 450 |
| Benzo[a]anthracene | ND | ug/L | 100 | 140 | 460 |
| Benzo[a]pyrene | ND | ug/L | 100 | 140 | 460 |
| Benzo[b]fluoranthene | ND | ug/L | 100 | 130 | 420 |
| Benzo[g,h,i]perylene | ND | ug/L | 100 | 130 | 450 |
| Benzo[k]fluoranthene | ND | ug/L | 100 | 170 | 560 |
| Chrysene | ND | ug/L | 100 | 140 | 460 |
| Dibenzo[a,h]anthracene | ND | ug/L | 100 | 130 | 440 |
| Dibenzofuran | ND | ug/L | 100 | 160 | 520 |
| Fluoranthene | ND | ug/L | 100 | 140 | 480 |
| Fluorene | ND | ug/L | 100 | 170 | 570 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 100 | 150 | 510 |
| 1-Methylnaphthalene | [350] | ug/L | 100 | 160 | 530 |
| 2-Methylnaphthalene | 520 | ug/L | 100 | 150 | 510 |
| 2-Methylphenol | 3000 | ug/L | 100 | 110 | 410 |
| 3 & 4-Methylphenol | 3500 | ug/L | 100 | 130 | 420 |
| Naphthalene | 4200 | ug/L | 100 | 170 | 550 |
| Phenanthrene | ND | ug/L | 100 | 140 | 480 |
| Phenol | 630 | ug/L | 100 | 51 | 170 |
| Pyrene | ND | ug/L | 100 | 140 | 480 |
| Benzo[e]pyrene | ND | ug/L | 100 | 110 | 370 |
| 2-Fluorophenol (SURR**) | 49% | | | | |
| Phenol-d5 (SURR**) | 30% | | | | |
| Nitrobenzene-d5 (SURR**) | 83% | | | | |
| 2-Fluorobiphenyl (SURR**) | 82% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 68% | | | | |
| Terphenyl-d14 (SURR**) | 60% | | | | |

Laboratory control spike and laboratory control spike duplicate percent difference exceeded control limits for 2-Methylphenol and 3&4-Methylphenol.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82200**
**Project Description: Xcel-Ashland 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:56**

**Sample: 342385** **NS-GW-MW22A-0604** **Collected: 06/17/04** **Analyzed: 06/25/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 300 | 1000 |
| Acenaphthylene | [400] | ug/L | 200 | 340 | 1100 |
| Anthracene | ND | ug/L | 200 | 270 | 900 |
| Benzo[a]anthracene | ND | ug/L | 200 | 280 | 920 |
| Benzo[a]pyrene | ND | ug/L | 200 | 280 | 920 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 250 | 840 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 270 | 900 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 340 | 1100 |
| Chrysene | ND | ug/L | 200 | 280 | 930 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 260 | 880 |
| Dibenzofuran | ND | ug/L | 200 | 310 | 1000 |
| Fluoranthene | ND | ug/L | 200 | 290 | 950 |
| Fluorene | ND | ug/L | 200 | 340 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 310 | 1000 |
| 1-Methylnaphthalene | 1100 | ug/L | 200 | 320 | 1100 |
| 2-Methylnaphthalene | 1600 | ug/L | 200 | 310 | 1000 |
| 2-Methylphenol | 910 | ug/L | 200 | 220 | 820 |
| 3 & 4-Methylphenol | 1500 | ug/L | 200 | 250 | 840 |
| Naphthalene | 8500 | ug/L | 200 | 330 | 1100 |
| Phenanthrene | ND | ug/L | 200 | 290 | 950 |
| Phenol | 600 | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 290 | 960 |
| Benzo[e]pyrene | ND | ug/L | 200 | 220 | 740 |
| 2-Fluorophenol (SURR**) | 7% | | | | |
| Phenol-d5 (SURR**) | 30% | | | | |
| Nitrobenzene-d5 (SURR**) | 87% | | | | |
| 2-Fluorobiphenyl (SURR**) | 93% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 56% | | | | |
| Terphenyl-d14 (SURR**) | 69% | | | | |

Laboratory control spike and laboratory control spike duplicate percent difference exceeded control limits for 2-Methylphenol and 3&4-Methylphenol.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82200**
**Project Description: Xcel-Ashland 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:56**

**Sample: 342386** **NS-GW-MW22B-0604** **Collected: 06/17/04** **Analyzed: 06/25/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | [4.3] | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | [2.7] | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | [3.4] | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | [4.5] | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | [1.5] | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 28% | | | | |
| Phenol-d5 (SURR**) | 19% | | | | |
| Nitrobenzene-d5 (SURR**) | 85% | | | | |
| 2-Fluorobiphenyl (SURR**) | 83% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 73% | | | | |
| Terphenyl-d14 (SURR**) | 75% | | | | |

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82200**
**Project Description: Xcel-Ashland 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:56**

**Sample: 342387** **NS-GW-Dup 3-0604** **Collected: 06/17/04** **Analyzed: 06/25/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | [4.1] | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | [2.5] | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | [3.2] | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | [4.3] | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | [1.5] | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 30% | | | | |
| Phenol-d5 (SURR**) | 20% | | | | |
| Nitrobenzene-d5 (SURR**) | 83% | | | | |
| 2-Fluorobiphenyl (SURR**) | 81% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 73% | | | | |
| Terphenyl-d14 (SURR**) | 73% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82200**

**Project Description: Xcel-Ashland 25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 07/27/2004 13:55**

**Sample: 342381** **NS-GW-MW2BR-0604** **Collected: 06/17/04** **Analyzed: 06/22/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 1400 | ug/L | 500 | 58 | 190 |
| sec-Butylbenzene | ND | ug/L | 500 | 79 | 260 |
| Ethylbenzene | 880 | ug/L | 500 | 71 | 230 |
| ortho-Xylene | 1100 | ug/L | 500 | 67 | 220 |
| Styrene | 1600 | ug/L | 500 | 70 | 230 |
| Toluene | 5400 | ug/L | 500 | 100 | 390 |
| 1,2,4-Trimethylbenzene | 320 | ug/L | 500 | 72 | 240 |
| 1,3,5-Trimethylbenzene | [68] | ug/L | 500 | 61 | 200 |
| meta,para-Xylene | 2100 | ug/L | 500 | 130 | 440 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 500 | 100 | 340 |
| Dibromofluoromethane (SURR**) | 102% | | | | |
| Toluene-d8 (SURR**) | 110% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 108% | | | | |

**Sample: 342382** **NS-GW-MW2C-0604 MS/MSD** **Collected: 06/17/04** **Analyzed: 06/22/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [0.22] | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | [0.37] | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 107% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

**Sample: 342383** **NS-GW-MW18B-0604** **Collected: 06/17/04** **Analyzed: 06/22/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 0.89 | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | [0.16] | ug/L | 1 | 0.14 | 0.47 |
| Toluene | 0.96 | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 98% | | | | |
| Toluene-d8 (SURR**) | 106% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 98% | | | | |

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82200**
**Project Description: Xcel-Ashland 25688375**
**Project Title:** **Template: SAT2NSP Printed: 07/27/2004 13:55**

**Sample: 342384 NS-GW-MW18A-0604** **Collected: 06/17/04** **Analyzed: 06/22/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 52000 | ug/L | 5000 | 580 | 1900 |
| sec-Butylbenzene | ND | ug/L | 5000 | 790 | 2600 |
| Ethylbenzene | [2000] | ug/L | 5000 | 710 | 2300 |
| ortho-Xylene | [1100] | ug/L | 5000 | 670 | 2200 |
| Styrene | [1500] | ug/L | 5000 | 700 | 2300 |
| Toluene | 20000 | ug/L | 5000 | 1000 | 3900 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 5000 | 720 | 2400 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 5000 | 610 | 2000 |
| meta,para-Xylene | [2200] | ug/L | 5000 | 1300 | 4400 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 5000 | 1000 | 3400 |
| Dibromofluoromethane (SURR**) | 94% | | | | |
| Toluene-d8 (SURR**) | 102% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 96% | | | | |

**Sample: 342385 NS-GW-MW22A-0604** **Collected: 06/17/04** **Analyzed: 06/22/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 36000 | ug/L | 2500 | 290 | 960 |
| sec-Butylbenzene | ND | ug/L | 2500 | 390 | 1300 |
| Ethylbenzene | [550] | ug/L | 2500 | 350 | 1200 |
| ortho-Xylene | 1300 | ug/L | 2500 | 330 | 1100 |
| Styrene | 3500 | ug/L | 2500 | 350 | 1200 |
| Toluene | 19000 | ug/L | 2500 | 510 | 1900 |
| 1,2,4-Trimethylbenzene | [370] | ug/L | 2500 | 360 | 1200 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 2500 | 310 | 1000 |
| meta,para-Xylene | 2500 | ug/L | 2500 | 660 | 2200 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 2500 | 510 | 1700 |
| Dibromofluoromethane (SURR**) | 98% | | | | |
| Toluene-d8 (SURR**) | 105% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 98% | | | | |

**Sample: 342386 NS-GW-MW22B-0604** **Collected: 06/17/04** **Analyzed: 06/22/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | ND | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | [0.14] | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 101% | | | | |
| Toluene-d8 (SURR**) | 108% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82200**

**Project Description: Xcel-Ashland 25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 07/27/2004 13:55**

**Sample: 342387** **NS-GW-Dup 3-0604** **Collected: 06/17/04** **Analyzed: 06/22/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | ND | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 96% | | | | |
| Toluene-d8 (SURR**) | 106% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

**Sample: 342388** **Trip Blank** **Collected: 06/17/04** **Analyzed: 06/22/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | [0.62] | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 109% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



**Client:** URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

**Project:** Xcel Ashland 25688375

**NLS Project:** 82225
**NLS Customer:** 91206
Fax: 414 831 4101 Phone: 414 831 4100

**NS-GW-MW 08-0604 NLS ID: 342533**
Ref. Line 1 COC 69756 NS-GW-MW 08-0604 Matrix: GW
Collected: 06/18/04 08:15 Received: 06/18/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 130 | mg/L | 1 | 0.0042 | 0.015 | 06/25/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.010] | mg/L | 1 | 0.0042 | 0.015 | 06/25/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/13/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/13/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 07/15/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | 16 | ug/L | 1 | 2.6 | 9.0 | 07/15/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 920 | ug/L | 1 | 2.5* | 5.0 | 06/25/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 170 | ug/L | 1 | 2.5* | 5.0 | 06/25/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 5 | 0.85 | 2.5 | 06/28/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/25/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/25/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/25/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 240 | mg/L | 1 | 0.15* | 0.30 | 06/25/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 95 | mg/L | 1 | 0.15* | 0.30 | 06/25/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 06/19/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 200 | ug/L | 1 | 3.6* | | 06/28/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 200 | ug/L | 1 | 0.51 | 1.8 | 06/25/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.61] | ug/L | 1 | 0.51 | 1.8 | 06/25/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 71 | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 200 | ug/L | 1 | 1.3 | 4.0 | 06/25/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | [2.0] | ug/L | 1 | 1.3 | 4.0 | 06/25/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 06/21/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 110 | mg/L | 1 | 0.033 | 0.10 | 06/25/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 06/25/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 47 | ug/L | 1 | 0.87 | 3.0 | 06/25/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 06/25/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 120 | mg/L | 1 | 0.15* | 0.30 | 06/25/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 55 | mg/L | 1 | 0.15* | 0.30 | 06/25/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 2600 | ug/L | 1 | 1.0* | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 85 | ug/L | 1 | 1.0* | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/23/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | 0.095 | ug/L | 1 | 0.025 | 0.050 | 06/23/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 150 | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 2.4 | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 5.9 | mg/L | 1 | 0.53 | 1.9 | 07/02/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 29 | mg/L | 1 | 0.53 | 1.9 | 07/02/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 2 | 3.2 | 11 | 07/12/04 | SW846 7740 | 721026460 |
| | Sample required a dilution to overcome negative interference encountered during analysis. | | | | | | | |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/12/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 330 | mg/L | 1 | 0.012 | 0.044 | 07/02/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 300 | mg/L | 1 | 0.012 | 0.044 | 07/02/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/07/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82225
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW 08-0604 NLS ID: 342533**
Ref. Line 1 COC 69756 NS-GW-MW 08-0604 Matrix: GW
Collected: 06/18/04 08:15 Received: 06/18/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/07/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 260 | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 2.1 | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 350 | ug/L | 1 | 5.0* | 10 | 06/25/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 06/25/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/22/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/23/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/25/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/23/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 07/02/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82225
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW 08A-0604 NLS ID: 342534**
Ref. Line 2 COC 69756 NS-GW-MW 08A-0604 Matrix: GW
Collected: 06/18/04 08:30 Received: 06/18/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 2.0 | mg/L | 1 | 0.0042 | 0.015 | 06/25/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | 0.20 | mg/L | 1 | 0.0042 | 0.015 | 06/25/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/13/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/13/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [3.8] | ug/L | 1 | 2.6 | 9.0 | 07/15/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [6.2] | ug/L | 2 | 5.1 | 18 | 07/15/04 | SW846 7060 | 721026460 |
| | Sample required a dilution to overcome negative interference encountered during analysis. | | | | | | | |
| Barium, tot. as Ba by ICP-Trace | 440 | ug/L | 1 | 2.5* | 5.0 | 06/25/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 410 | ug/L | 1 | 2.5* | 5.0 | 06/25/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/25/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/25/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | [0.21] | ug/L | 1 | 0.17 | 0.50 | 06/25/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/25/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 95 | mg/L | 1 | 0.15* | 0.30 | 06/25/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 91 | mg/L | 1 | 0.15* | 0.30 | 06/25/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 11 | ug/L | 1 | 3.6* | | 06/19/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | | | 3.6* | | 06/28/04 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | |
| Chromium, tot. as Cr by ICP-Trace | 4.1 | ug/L | 1 | 0.51 | 1.8 | 06/25/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 06/25/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | [1.3] | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 17 | ug/L | 1 | 1.3 | 4.0 | 06/25/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | [1.9] | ug/L | 1 | 1.3 | 4.0 | 06/25/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.0090] | mg/L | 1 | 0.0050 | 0.015 | 06/21/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 3.6 | mg/L | 1 | 0.033 | 0.10 | 06/25/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 0.99 | mg/L | 1 | 0.033 | 0.10 | 06/25/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 9.0 | ug/L | 1 | 0.87 | 3.0 | 06/25/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [1.8] | ug/L | 1 | 0.87 | 3.0 | 06/25/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 24 | mg/L | 1 | 0.15* | 0.30 | 06/25/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 23 | mg/L | 1 | 0.15* | 0.30 | 06/25/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 980 | ug/L | 1 | 1.0* | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 910 | ug/L | 1 | 1.0* | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/23/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/23/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 4.3 | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [0.94] | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 23 | mg/L | 1 | 0.53 | 1.9 | 07/02/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 23 | mg/L | 1 | 0.53 | 1.9 | 07/02/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/12/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/12/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 680 | mg/L | 10 | 0.12 | 0.44 | 07/02/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 720 | mg/L | 10 | 0.12 | 0.44 | 07/02/04 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82225
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW 08A-0604 NLS ID: 342534**
Ref. Line 2 COC 69756 NS-GW-MW 08A-0604 Matrix: GW
Collected: 06/18/04 08:30 Received: 06/18/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/07/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/07/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 6.5 | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [1.3] | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 100 | ug/L | 1 | 5.0* | 10 | 06/25/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | 20 | ug/L | 1 | 5.0* | 10 | 06/25/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/22/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/23/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/25/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/23/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 07/02/04 | SW846 8270C | 721026460 |

NORTHERN [illegible]E SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-306(

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82225
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW 13A-0604 NLS ID: 342535**
Ref. Line 3 COC 69756 NS-GW-MW 13A-0604 Matrix: GW
Collected: 06/18/04 09:15 Received: 06/18/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.43 | mg/L | 1 | 0.0042 | 0.015 | 06/25/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.012] | mg/L | 1 | 0.0042 | 0.015 | 06/25/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/13/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/13/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [2.8] | ug/L | 1 | 2.6 | 9.0 | 07/15/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [5.5] | ug/L | 1 | 2.6 | 9.0 | 07/15/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 94 | ug/L | 1 | 2.5* | 5.0 | 06/25/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 80 | ug/L | 1 | 2.5* | 5.0 | 06/25/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/25/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/25/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | [0.19] | ug/L | 1 | 0.17 | 0.50 | 06/25/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/25/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 84 | mg/L | 1 | 0.15* | 0.30 | 06/25/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 81 | mg/L | 1 | 0.15* | 0.30 | 06/25/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 4.0 | ug/L | 1 | 3.6* | | 06/19/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | | | 3.6* | | 06/28/04 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | |
| Chromium, tot. as Cr by ICP-Trace | [0.85] | ug/L | 1 | 0.51 | 1.8 | 06/25/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 06/25/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 9.8 | ug/L | 1 | 1.3 | 4.0 | 06/25/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | [2.7] | ug/L | 1 | 1.3 | 4.0 | 06/25/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.0090] | mg/L | 1 | 0.0050 | 0.015 | 06/21/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 1.6 | mg/L | 1 | 0.033 | 0.10 | 06/25/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 1.1 | mg/L | 1 | 0.033 | 0.10 | 06/25/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 3.3 | ug/L | 1 | 0.87 | 3.0 | 06/25/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [2.1] | ug/L | 1 | 0.87 | 3.0 | 06/25/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 47 | mg/L | 1 | 0.15* | 0.30 | 06/25/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 45 | mg/L | 1 | 0.15* | 0.30 | 06/25/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 300 | ug/L | 1 | 1.0* | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 290 | ug/L | 1 | 1.0* | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/23/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/23/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | [1.2] | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.3] | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 7.6 | mg/L | 1 | 0.53 | 1.9 | 07/02/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 7.4 | mg/L | 1 | 0.53 | 1.9 | 07/02/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/12/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 2 | 3.2 | 11 | 07/12/04 | SW846 7740 | 721026460 |
| | Sample required a dilution to overcome negative interference encountered during analysis. | | | | | | | |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 83 | mg/L | 1 | 0.012 | 0.044 | 07/02/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 74 | mg/L | 1 | 0.012 | 0.044 | 07/02/04 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 82225
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW 13A-0604 NLS ID: 342535**
Ref. Line 3 COC 69756 NS-GW-MW 13A-0604 Matrix: GW
Collected: 06/18/04 09:15 Received: 06/18/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/07/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/07/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | [1.1] | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 54 | ug/L | 1 | 5.0* | 10 | 06/25/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [5.6] | ug/L | 1 | 5.0* | 10 | 06/25/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/22/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/23/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/25/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/23/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 07/02/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82225
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW 03-0604 NLS ID: 342536**
Ref. Line 4 COC 69756 NS-GW-MW 03-0604 Matrix: GW
Collected: 06/18/04 09:45 Received: 06/18/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 3.6 | mg/L | 1 | 0.0042 | 0.015 | 06/25/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0080] | mg/L | 1 | 0.0042 | 0.015 | 06/25/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/13/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/13/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 07/15/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [5.6] | ug/L | 1 | 2.6 | 9.0 | 07/15/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 370 | ug/L | 1 | 2.5* | 5.0 | 06/25/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 300 | ug/L | 1 | 2.5* | 5.0 | 06/25/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/25/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/25/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | [0.24] | ug/L | 1 | 0.17 | 0.50 | 06/25/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | [0.25] | ug/L | 1 | 0.17 | 0.50 | 06/25/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 220 | mg/L | 1 | 0.15* | 0.30 | 06/25/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 220 | mg/L | 1 | 0.15* | 0.30 | 06/25/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 4.0 | ug/L | 1 | 3.6* | | 06/19/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 3.8 | ug/L | 1 | 3.6* | | 06/28/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 7.8 | ug/L | 1 | 0.51 | 1.8 | 06/25/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 06/25/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 8.6 | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | 7.6 | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 30 | ug/L | 1 | 1.3 | 4.0 | 06/25/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | 4.5 | ug/L | 1 | 1.3 | 4.0 | 06/25/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | 0.53 | mg/L | 1 | 0.0050 | 0.015 | 06/29/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 13 | mg/L | 1 | 0.033 | 0.10 | 06/25/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 2.0 | mg/L | 1 | 0.033 | 0.10 | 06/25/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 9.1 | ug/L | 1 | 0.87 | 3.0 | 06/25/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [1.5] | ug/L | 1 | 0.87 | 3.0 | 06/25/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 38 | mg/L | 1 | 0.15* | 0.30 | 06/25/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 36 | mg/L | 1 | 0.15* | 0.30 | 06/25/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 1500 | ug/L | 1 | 1.0* | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 1400 | ug/L | 1 | 1.0* | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/23/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/23/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 15 | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 11 | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 15 | mg/L | 1 | 0.53 | 1.9 | 07/02/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 15 | mg/L | 1 | 0.53 | 1.9 | 07/02/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/12/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/12/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 92 | mg/L | 1 | 0.012 | 0.044 | 07/02/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 83 | mg/L | 1 | 0.012 | 0.044 | 07/02/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/07/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/07/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82225
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW 03-0604 NLS ID: 342536**
Ref. Line 4 COC 69756 NS-GW-MW 03-0604 Matrix: GW
Collected: 06/18/04 09:45 Received: 06/18/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, tot. as V by ICP-Trace | 8.3 | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 97 | ug/L | 1 | 5.0* | 10 | 06/25/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | 30 | ug/L | 1 | 5.0* | 10 | 06/25/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/22/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/23/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/25/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/23/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 07/02/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82225
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-TW 13-0604 NLS ID: 342537**
Ref. Line 5 COC 69756 NS-GW-TW 13-0604 Matrix: GW
Collected: 06/18/04 09:00 Received: 06/18/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 1.4 | mg/L | 1 | 0.0042 | 0.015 | 06/25/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | 0.016 | mg/L | 1 | 0.0042 | 0.015 | 06/25/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/13/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/13/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [3.0] | ug/L | 1 | 2.6 | 9.0 | 07/15/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [5.8] | ug/L | 1 | 2.6 | 9.0 | 07/15/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 280 | ug/L | 1 | 2.5* | 5.0 | 06/25/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 320 | ug/L | 1 | 2.5* | 5.0 | 06/25/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/25/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/25/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | 0.52 | ug/L | 1 | 0.17 | 0.50 | 06/25/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/25/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 180 | mg/L | 1 | 0.15* | 0.30 | 06/25/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 210 | mg/L | 1 | 0.15* | 0.30 | 06/25/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 3.9 | ug/L | 1 | 3.6* | | 06/19/04 | SW846 7196A | 721026460 |
| | *Sample exhibited a "hit" without the presence of a "pink" color, so the conc. of the sample minus reagents was subtracted from the conc. of the sample with reagents to yield a "net" concentration.* | | | | | | | |
| Chromium, trivalent as Cr+3 | NR | | | 3.6* | | 06/28/04 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | |
| Chromium, tot. as Cr by ICP-Trace | 3.2 | ug/L | 1 | 0.51 | 1.8 | 06/25/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.72] | ug/L | 1 | 0.51 | 1.8 | 06/25/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | [0.75] | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 28 | ug/L | 1 | 1.3 | 4.0 | 06/25/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 06/25/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | 0.028 | mg/L | 1 | 0.0050 | 0.015 | 06/29/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 5.3 | mg/L | 1 | 0.033 | 0.10 | 06/25/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 0.27 | mg/L | 1 | 0.033 | 0.10 | 06/25/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 12 | ug/L | 1 | 0.87 | 3.0 | 06/25/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [1.3] | ug/L | 1 | 0.87 | 3.0 | 06/25/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 63 | mg/L | 1 | 0.15* | 0.30 | 06/25/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 79 | mg/L | 1 | 0.15* | 0.30 | 06/25/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 520 | ug/L | 1 | 1.0* | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 470 | ug/L | 1 | 1.0* | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/23/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | 0.084 | ug/L | 1 | 0.025 | 0.050 | 06/23/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 5.2 | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 3.6 | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 19 | mg/L | 1 | 0.53 | 1.9 | 07/02/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 15 | mg/L | 1 | 0.53 | 1.9 | 07/02/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/12/04 | SW846 7740 | 721026460 |
| Selenium, tot as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/12/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 490 | mg/L | 10 | 0.12 | 0.44 | 07/02/04 | SW846 6010 | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
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# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Ben Nelson**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 82225**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel Ashland 25688375**

**NS-GW-TW 13-0604 NLS ID: 342537**
Ref. Line 5 COC 69756 NS-GW-TW 13-0604 Matrix: GW
Collected: 06/18/04 09:00 Received: 06/18/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Sodium, tot. as Na | 84 | mg/L | 1 | 0.012 | 0.044 | 07/02/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/07/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/07/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 5.4 | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [1.4] | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 300 | ug/L | 1 | 5.0* | 10 | 06/25/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 06/25/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/22/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/23/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/25/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/23/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 07/08/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82225
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW 20A-0604 NLS ID: 342538**
Ref. Line 6 COC 69756 NS-GW-MW 20A-0604 Matrix: GW
Collected: 06/18/04 11:00 Received: 06/18/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | [0.0050] | mg/L | 1 | 0.0042 | 0.015 | 06/25/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | 0.016 | mg/L | 1 | 0.0042 | 0.015 | 06/25/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/13/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/13/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [4.2] | ug/L | 1 | 2.6 | 9.0 | 07/15/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [3.9] | ug/L | 1 | 2.6 | 9.0 | 07/15/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 78 | ug/L | 1 | 2.5* | 5.0 | 06/25/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 79 | ug/L | 1 | 2.5* | 5.0 | 06/25/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/25/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/25/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/25/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/25/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 21 | mg/L | 1 | 0.15* | 0.30 | 06/25/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 22 | mg/L | 1 | 0.15* | 0.30 | 06/25/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 4.0 | ug/L | 1 | 3.6* | | 06/19/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | | | 3.6* | | 06/28/04 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | |
| Chromium, tot. as Cr by ICP-Trace | [0.72] | ug/L | 1 | 0.51 | 1.8 | 06/25/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.71] | ug/L | 1 | 0.51 | 1.8 | 06/25/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 06/25/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 06/25/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 06/29/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 06/25/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 06/25/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | [1.5] | ug/L | 1 | 0.87 | 3.0 | 06/25/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 06/25/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 6.6 | mg/L | 1 | 0.15* | 0.30 | 06/25/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 6.8 | mg/L | 1 | 0.15* | 0.30 | 06/25/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 40 | ug/L | 1 | 1.0* | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 41 | ug/L | 1 | 1.0* | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/23/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/23/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [0.72] | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 2.8 | mg/L | 1 | 0.53 | 1.9 | 07/02/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 2.7 | mg/L | 1 | 0.53 | 1.9 | 07/02/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/12/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/12/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 14 | mg/L | 1 | 0.012 | 0.044 | 07/02/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 13 | mg/L | 1 | 0.012 | 0.044 | 07/02/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/07/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel Ashland 25688375

NLS Project: 82225
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**NS-GW-MW 20A-0604 NLS ID: 342538**
Ref. Line 6 COC 69756 NS-GW-MW 20A-0604 Matrix: GW
Collected: 06/18/04 11:00 Received: 06/18/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/07/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 06/25/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 06/25/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/22/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/23/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/25/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/23/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 07/08/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82225
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-AW01-0604 NLS ID: 342539**
Ref. Line 7 COC 69756 NS-GW-AW01-0604 Matrix: GW
Collected: 06/18/04 11:30 Received: 06/18/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.58 | mg/L | 1 | 0.0042 | 0.015 | 06/25/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0060] | mg/L | 1 | 0.0042 | 0.015 | 06/25/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/13/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/13/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 07/15/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 07/15/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 230 | ug/L | 1 | 2.5* | 5.0 | 06/25/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 220 | ug/L | 1 | 2.5* | 5.0 | 06/25/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/25/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/25/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/25/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/25/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 130 | mg/L | 1 | 0.15* | 0.30 | 06/25/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 130 | mg/L | 1 | 0.15* | 0.30 | 06/25/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 06/19/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 06/28/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [1.8] | ug/L | 1 | 0.51 | 1.8 | 06/25/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 06/25/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | [1.5] | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 8.0 | ug/L | 1 | 1.3 | 4.0 | 06/25/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | [2.7] | ug/L | 1 | 1.3 | 4.0 | 06/25/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 06/29/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 0.61 | mg/L | 1 | 0.033 | 0.10 | 06/25/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 06/25/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 3.3 | ug/L | 1 | 0.87 | 3.0 | 06/25/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [2.3] | ug/L | 1 | 0.87 | 3.0 | 06/25/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 81 | mg/L | 1 | 0.15* | 0.30 | 06/25/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 83 | mg/L | 1 | 0.15* | 0.30 | 06/25/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 230 | ug/L | 1 | 1.0* | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 110 | ug/L | 1 | 1.0* | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/23/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/23/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 3.8 | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 3.1 | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 8.0 | mg/L | 1 | 0.53 | 1.9 | 07/02/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 8.1 | mg/L | 1 | 0.53 | 1.9 | 07/02/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/12/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/12/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 48 | mg/L | 1 | 0.012 | 0.044 | 07/02/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 46 | mg/L | 1 | 0.012 | 0.044 | 07/02/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/07/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/07/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82225
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-AW01-0604 NLS ID: 342539**
Ref. Line 7 COC 69756 NS-GW-AW01-0604 Matrix: GW
Collected: 06/18/04 11:30 Received: 06/18/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, tot. as V by ICP-Trace | 5.9 | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 4.6 | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | [7.5] | ug/L | 1 | 5.0* | 10 | 06/25/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 06/25/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/22/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/23/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/25/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/23/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 07/08/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82225
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-AW02-0604 NLS ID: 342540**
Ref. Line 8 COC 69756 NS-GW-AW02-0604 Matrix: GW
Collected: 06/18/04 11:45 Received: 06/18/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | [0.0050] | mg/L | 1 | 0.0042 | 0.015 | 06/25/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0060] | mg/L | 1 | 0.0042 | 0.015 | 06/25/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/13/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/13/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [3.1] | ug/L | 1 | 2.6 | 9.0 | 07/15/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 07/15/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 72 | ug/L | 1 | 2.5* | 5.0 | 06/25/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 73 | ug/L | 1 | 2.5* | 5.0 | 06/25/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/25/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/25/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/25/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/25/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 22 | mg/L | 1 | 0.15* | 0.30 | 06/25/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 22 | mg/L | 1 | 0.15* | 0.30 | 06/25/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 06/19/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 06/28/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [0.53] | ug/L | 1 | 0.51 | 1.8 | 06/25/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.60] | ug/L | 1 | 0.51 | 1.8 | 06/25/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 06/25/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 06/25/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 06/29/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 06/25/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 06/25/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 06/25/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [0.99] | ug/L | 1 | 0.87 | 3.0 | 06/25/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 6.9 | mg/L | 1 | 0.15* | 0.30 | 06/25/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 7.0 | mg/L | 1 | 0.15* | 0.30 | 06/25/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 30 | ug/L | 1 | 1.0* | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 30 | ug/L | 1 | 1.0* | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/23/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/23/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 3.4 | mg/L | 1 | 0.53 | 1.9 | 07/02/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 3.3 | mg/L | 1 | 0.53 | 1.9 | 07/02/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | [1.7] | ug/L | 1 | 1.6 | 5.5 | 07/12/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/12/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 17 | mg/L | 1 | 0.012 | 0.044 | 07/02/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 17 | mg/L | 1 | 0.012 | 0.044 | 07/02/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/07/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/07/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82225
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-AW02-0604 NLS ID: 342540**
Ref. Line 8 COC 69756 NS-GW-AW02-0604 Matrix: GW
Collected: 06/18/04 11:45 Received: 06/18/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, tot. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/25/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 06/25/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 06/25/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/22/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/23/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/25/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/23/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 07/08/04 | SW846 8270C | 721026460 |

**Trip Blank NLS ID: 342541**
Ref. Line COC 69756 Trip Blank Matrix: TB
Collected: 06/18/04 00:00 Received: 06/18/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 06/25/04 | SW846 8260 | 721026460 |

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
*DWB = Dry Weight Basis* *NA = Not Applicable* *%DWB = (mg/kg DWB) / 10000*
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82225**

**Project Description: Xcel Ashland 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:53**

**Sample: 342533** **NS-GW-MW 08-0604** **Collected: 06/18/04** **Analyzed: 07/02/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 38% | | | | |
| Phenol-d5 (SURR**) | 26% | | | | |
| Nitrobenzene-d5 (SURR**) | 92% | | | | |
| 2-Fluorobiphenyl (SURR**) | 84% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 82% | | | | |
| Terphenyl-d14 (SURR**) | 87% | | | | |

Matrix spike and matrix spike duplicate recoveries for Naphthalene, 2-Methylnaphthalene, and Acenaphthene could not be quantitated effectively due to sample matrix.

Matrix spike duplicate recoveries for Dibenzofuran, Phenanthrene, and Pyrene were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82225**
**Project Description: Xcel Ashland 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:53**

**Sample: 342534** **NS-GW-MW 08A-0604** **Collected: 06/18/04** **Analyzed: 07/02/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 10 | 15 | 50 |
| Acenaphthylene | ND | ug/L | 10 | 17 | 56 |
| Anthracene | ND | ug/L | 10 | 14 | 45 |
| Benzo[a]anthracene | ND | ug/L | 10 | 14 | 46 |
| Benzo[a]pyrene | ND | ug/L | 10 | 14 | 46 |
| Benzo[b]fluoranthene | ND | ug/L | 10 | 13 | 42 |
| Benzo[g,h,i]perylene | ND | ug/L | 10 | 13 | 45 |
| Benzo[k]fluoranthene | ND | ug/L | 10 | 17 | 56 |
| Chrysene | ND | ug/L | 10 | 14 | 46 |
| Dibenzo[a,h]anthracene | ND | ug/L | 10 | 13 | 44 |
| Dibenzofuran | ND | ug/L | 10 | 16 | 52 |
| Fluoranthene | ND | ug/L | 10 | 14 | 48 |
| Fluorene | ND | ug/L | 10 | 17 | 57 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 10 | 15 | 51 |
| 1-Methylnaphthalene | ND | ug/L | 10 | 16 | 53 |
| 2-Methylnaphthalene | ND | ug/L | 10 | 15 | 51 |
| 2-Methylphenol | 290 | ug/L | 10 | 11 | 41 |
| 3 & 4-Methylphenol | 240 | ug/L | 10 | 13 | 42 |
| Naphthalene | [37] | ug/L | 10 | 17 | 55 |
| Phenanthrene | ND | ug/L | 10 | 14 | 48 |
| Phenol | 34 | ug/L | 10 | 5.1 | 17 |
| Pyrene | ND | ug/L | 10 | 14 | 48 |
| Benzo[e]pyrene | ND | ug/L | 10 | 11 | 37 |
| 2-Fluorophenol (SURR**) | 27% | | | | |
| Phenol-d5 (SURR**) | 22% | | | | |
| Nitrobenzene-d5 (SURR**) | 84% | | | | |
| 2-Fluorobiphenyl (SURR**) | 82% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 27% | | | | |
| Terphenyl-d14 (SURR**) | 156% | | | | |

Matrix spike and matrix spike duplicate recoveries for Naphthalene, 2-Methylnaphthalene, and Acenaphthene could not be quantitated effectively due to sample matrix.
Matrix spike duplicate recoveries for Dibenzofuran, Phenanthrene, and Pyrene were below QC limits.
Laboratory control spike and laboratory control spike duplicate percent difference exceeded control limits for 2-Methylphenol and 3&4-Methylphenol.
*High surrogate recovery for Terphenyl-d14 is due to sample matrix.*

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82225**
**Project Description: Xcel Ashland 25688375**
**Project Title:** **Template: 8270WNSP Printed: 07/27/2004 13:53**

**Sample: 342535 NS-GW-MW 13A-0604** **Collected: 06/18/04** **Analyzed: 07/02/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 300 | 1000 |
| Acenaphthylene | [370] | ug/L | 200 | 340 | 1100 |
| Anthracene | ND | ug/L | 200 | 270 | 900 |
| Benzo[a]anthracene | ND | ug/L | 200 | 280 | 920 |
| Benzo[a]pyrene | ND | ug/L | 200 | 280 | 920 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 250 | 840 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 270 | 900 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 340 | 1100 |
| Chrysene | ND | ug/L | 200 | 280 | 930 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 260 | 880 |
| Dibenzofuran | ND | ug/L | 200 | 310 | 1000 |
| Fluoranthene | ND | ug/L | 200 | 290 | 950 |
| Fluorene | ND | ug/L | 200 | 340 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 310 | 1000 |
| 1-Methylnaphthalene | [890] | ug/L | 200 | 320 | 1100 |
| 2-Methylnaphthalene | 1300 | ug/L | 200 | 310 | 1000 |
| 2-Methylphenol | 910 | ug/L | 200 | 220 | 820 |
| 3 & 4-Methylphenol | 1000 | ug/L | 200 | 250 | 840 |
| Naphthalene | 6000 | ug/L | 200 | 330 | 1100 |
| Phenanthrene | ND | ug/L | 200 | 290 | 950 |
| Phenol | [140] | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 290 | 960 |
| Benzo[e]pyrene | ND | ug/L | 200 | 220 | 740 |
| 2-Fluorophenol (SURR**) | 6% | | | | |
| Phenol-d5 (SURR**) | 33% | | | | |
| Nitrobenzene-d5 (SURR**) | 95% | | | | |
| 2-Fluorobiphenyl (SURR**) | 86% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 63% | | | | |
| Terphenyl-d14 (SURR**) | 168% | | | | |

Matrix spike and matrix spike duplicate recoveries for Naphthalene, 2-Methylnaphthalene, and Acenaphthene could not be quantitated effectively due to sample matrix.
Matrix spike duplicate recoveries for Dibenzofuran, Phenanthrene, and Pyrene were below QC limits.
Laboratory control spike and laboratory control spike duplicate percent difference exceeded control limits for 2-Methylphenol and 3&4-Methylphenol.
Matrix spike and matrix spike duplicate recoveries for Acenaphthylene were above QC limits.
*High surrogate recovery for Terphenyl-d14 is due to sample matrix.*

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82225**
**Project Description: Xcel Ashland 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:53**

**Sample: 342536** **NS-GW-MW 03-0604** **Collected: 06/18/04** **Analyzed: 07/02/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 6.8 | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | [4.2] | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 33% | | | | |
| Phenol-d5 (SURR**) | 23% | | | | |
| Nitrobenzene-d5 (SURR**) | 88% | | | | |
| 2-Fluorobiphenyl (SURR**) | 80% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 90% | | | | |
| Terphenyl-d14 (SURR**) | 159% | | | | |

Matrix spike and matrix spike duplicate recoveries for Naphthalene, 2-Methylnaphthalene, and Acenaphthene could not be quantitated effectively due to sample matrix.
Additional non-target compounds detected.
Internal standard area for Perylene-d12 was outside QC limits due to sample matrix.
*Matrix spike duplicate recoveries for Dibenzofuran, Phenanthrene, and Pyrene were below QC limits.*
High surrogate recovery for Terphenyl-d14 is due to sample matrix.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82225**
**Project Description: Xcel Ashland 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:53**

**Sample: 342537** **NS-GW-TW 13-0604** **Collected: 06/18/04** **Analyzed: 07/08/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [420] | ug/L | 200 | 300 | 1000 |
| Acenaphthylene | ND | ug/L | 200 | 340 | 1100 |
| Anthracene | ND | ug/L | 200 | 270 | 900 |
| Benzo[a]anthracene | ND | ug/L | 200 | 280 | 920 |
| Benzo[a]pyrene | ND | ug/L | 200 | 280 | 920 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 250 | 840 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 270 | 900 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 340 | 1100 |
| Chrysene | ND | ug/L | 200 | 280 | 930 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 260 | 880 |
| Dibenzofuran | ND | ug/L | 200 | 310 | 1000 |
| Fluoranthene | ND | ug/L | 200 | 290 | 950 |
| Fluorene | ND | ug/L | 200 | 340 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 310 | 1000 |
| 1-Methylnaphthalene | [970] | ug/L | 200 | 320 | 1100 |
| 2-Methylnaphthalene | 1500 | ug/L | 200 | 310 | 1000 |
| 2-Methylphenol | ND | ug/L | 200 | 220 | 820 |
| 3 & 4-Methylphenol | ND | ug/L | 200 | 250 | 840 |
| Naphthalene | 7500 | ug/L | 200 | 330 | 1100 |
| Phenanthrene | [510] | ug/L | 200 | 290 | 950 |
| Phenol | ND | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 290 | 960 |
| Benzo[e]pyrene | ND | ug/L | 200 | 220 | 740 |
| 2-Fluorophenol (SURR**) | 10% | | | | |
| Phenol-d5 (SURR**) | 22% | | | | |
| Nitrobenzene-d5 (SURR**) | 88% | | | | |
| 2-Fluorobiphenyl (SURR**) | 90% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 0% | | | | |
| Terphenyl-d14 (SURR**) | 145% | | | | |

Matrix spike and matrix spike duplicate recoveries for Naphthalene, 2-Methylnaphthalene, and Acenaphthene could not be quantitated effectively due to sample matrix.
Matrix spike duplicate recoveries for Dibenzofuran, Phenanthrene, and Pyrene were below QC limits.
The surrogate, 2,4,6-Tribromophenol, was not recovered in the sample matrix.
Surrogate recovery for Terphenyl-d14 was outside QC limits due to sample matrix and a high dilution factor.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82225**

**Project Description: Xcel Ashland 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:53**

**Sample: 342538** **NS-GW-MW 20A-0604** **Collected: 06/18/04** **Analyzed: 07/08/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 36% | | | | |
| Phenol-d5 (SURR**) | 24% | | | | |
| Nitrobenzene-d5 (SURR**) | 86% | | | | |
| 2-Fluorobiphenyl (SURR**) | 80% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 83% | | | | |
| Terphenyl-d14 (SURR**) | 149% | | | | |

Matrix spike and matrix spike duplicate recoveries for Naphthalene, 2-Methylnaphthalene, and Acenaphthene could not be quantitated effectively due to sample matrix.

Matrix spike duplicate recoveries for Dibenzofuran, Phenanthrene, and Pyrene were below QC limits.

Suirrogate recovery for Terphenyl-d14 was outside QC limits due to sample matrix.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82225**
**Project Description: Xcel Ashland 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:53**

**Sample: 342539** **NS-GW-AW01-0604** **Collected: 06/18/04** **Analyzed: 07/08/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 23% | | | | |
| Phenol-d5 (SURR**) | 18% | | | | |
| Nitrobenzene-d5 (SURR**) | 89% | | | | |
| 2-Fluorobiphenyl (SURR**) | 80% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 57% | | | | |
| Terphenyl-d14 (SURR**) | 135% | | | | |

Matrix spike and matrix spike duplicate recoveries for Naphthalene, 2-Methylnaphthalene, and Acenaphthene could not be quantitated effectively due to sample matrix.
Matrix spike duplicate recoveries for Dibenzofuran, Phenanthrene, and Pyrene were below QC limits.
Surrogate recovery for Terphenyl-d14 was outside QC limits due to sample matrix.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82225**
**Project Description: Xcel Ashland 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:53**

**Sample: 342540** **NS-GW-AW02-0604** **Collected: 06/18/04** **Analyzed: 07/08/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 36% | | | | |
| Phenol-d5 (SURR**) | 24% | | | | |
| Nitrobenzene-d5 (SURR**) | 88% | | | | |
| 2-Fluorobiphenyl (SURR**) | 78% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 83% | | | | |
| Terphenyl-d14 (SURR**) | 140% | | | | |

Matrix spike and matrix spike duplicate recoveries for Naphthalene, 2-Methylnaphthalene, and Acenaphthene could not be quantitated effectively due to sample matrix.
Matrix spike duplicate recoveries for Dibenzofuran, Phenanthrene, and Pyrene were below QC limits.
Suirrogate recovery for Terphenyl-d14 was outside QC limits due to sample matrix.

** Surrogates are used to evaluate a method's Quality Control.

# ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82225**
**Project Description: Xcel Ashland 25688375**
**Project Title:** **Template: SAT2NSP** **Printed: 07/27/2004 13:53**

**Sample: 342533** **NS-GW-MW 08-0604** **Collected: 06/18/04** **Analyzed: 06/25/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | ND | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 102% | | | | |
| Toluene-d8 (SURR**) | 109% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 106% | | | | |

**Sample: 342534** **NS-GW-MW 08A-0604** **Collected: 06/18/04** **Analyzed: 06/25/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 12000 | ug/L | 1000 | 120 | 380 |
| sec-Butylbenzene | ND | ug/L | 1000 | 160 | 520 |
| Ethylbenzene | [450] | ug/L | 1000 | 140 | 470 |
| ortho-Xylene | [200] | ug/L | 1000 | 130 | 440 |
| Styrene | ND | ug/L | 1000 | 140 | 470 |
| Toluene | [570] | ug/L | 1000 | 200 | 770 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1000 | 140 | 480 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1000 | 120 | 410 |
| meta,para-Xylene | ND | ug/L | 1000 | 260 | 880 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1000 | 210 | 680 |
| Dibromofluoromethane (SURR**) | 95% | | | | |
| Toluene-d8 (SURR**) | 103% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

**Sample: 342535** **NS-GW-MW 13A-0604** **Collected: 06/18/04** **Analyzed: 06/25/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 32000 | ug/L | 2500 | 290 | 960 |
| sec-Butylbenzene | ND | ug/L | 2500 | 390 | 1300 |
| Ethylbenzene | [430] | ug/L | 2500 | 350 | 1200 |
| ortho-Xylene | [1000] | ug/L | 2500 | 330 | 1100 |
| Styrene | 2000 | ug/L | 2500 | 350 | 1200 |
| Toluene | 15000 | ug/L | 2500 | 510 | 1900 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 2500 | 360 | 1200 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 2500 | 310 | 1000 |
| meta,para-Xylene | [1900] | ug/L | 2500 | 660 | 2200 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 2500 | 510 | 1700 |
| Dibromofluoromethane (SURR**) | 98% | | | | |
| Toluene-d8 (SURR**) | 108% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82225**

**Project Description: Xcel Ashland 25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 07/27/2004 13:53**

**Sample: 342536** **NS-GW-MW 03-0604** **Collected: 06/18/04** **Analyzed: 06/25/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 1.1 | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | 1.2 | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | 1.0 | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | [0.21] | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | [0.25] | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | [0.30] | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 107% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 104% | | | | |

**Sample: 342537** **NS-GW-TW 13-0604** **Collected: 06/18/04** **Analyzed: 06/25/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 2500 | ug/L | 500 | 58 | 190 |
| sec-Butylbenzene | ND | ug/L | 500 | 79 | 260 |
| Ethylbenzene | 1400 | ug/L | 500 | 71 | 230 |
| ortho-Xylene | 490 | ug/L | 500 | 67 | 220 |
| Styrene | ND | ug/L | 500 | 70 | 230 |
| Toluene | 1900 | ug/L | 500 | 100 | 390 |
| 1,2,4-Trimethylbenzene | 290 | ug/L | 500 | 72 | 240 |
| 1,3,5-Trimethylbenzene | [78] | ug/L | 500 | 61 | 200 |
| meta,para-Xylene | 1100 | ug/L | 500 | 130 | 440 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 500 | 100 | 340 |
| Dibromofluoromethane (SURR**) | 98% | | | | |
| Toluene-d8 (SURR**) | 106% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

**Sample: 342538** **NS-GW-MW 20A-0604** **Collected: 06/18/04** **Analyzed: 06/25/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | ND | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 104% | | | | |
| Toluene-d8 (SURR**) | 113% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 109% | | | | |

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82225**
**Project Description: Xcel Ashland 25688375**
**Project Title:** **Template: SAT2NSP** **Printed: 07/27/2004 13:53**

**Sample: 342539** **NS-GW-AW01-0604** **Collected: 06/18/04** **Analyzed: 06/25/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | ND | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 108% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

**Sample: 342540** **NS-GW-AW02-0604** **Collected: 06/18/04** **Analyzed: 06/25/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | ND | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 103% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

**Sample: 342541** **Trip Blank** **Collected: 06/18/04** **Analyzed: 06/25/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | [0.69] | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 105% | | | | |
| Toluene-d8 (SURR**) | 111% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 105% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

Customer: URS Corporation (Milwaukee) NLS Project: 82225

Project Description: Xcel Ashland 25688375

Project Title: Template: SAT2NSP Printed: 07/27/2004 13:53

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82248
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel-Ashland 25688375

**NS-GW-MW3Net-0604 NLS ID: 342588**
Ref. Line 1 COC 69747 NS-GW-MW3Net-0604 Matrix: GW
Collected: 06/21/04 14:00 Received: 06/22/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 4.9 | mg/L | 1 | 0.0042 | 0.015 | 06/30/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | 0.018 | mg/L | 1 | 0.0042 | 0.015 | 06/30/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/13/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/13/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 07/15/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [4.0] | ug/L | 1 | 2.6 | 9.0 | 07/15/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 140 | ug/L | 1 | 2.5* | 5.0 | 06/30/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 91 | ug/L | 1 | 2.5* | 5.0 | 06/30/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/30/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/30/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/30/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/30/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 85 | mg/L | 1 | 0.15* | 0.30 | 06/30/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 81 | mg/L | 1 | 0.15* | 0.30 | 06/30/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 6.3 | ug/L | 1 | 3.6* | | 06/22/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 5.5 | ug/L | 1 | 3.6* | | 07/01/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 12 | ug/L | 1 | 0.51 | 1.8 | 06/30/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.56] | ug/L | 1 | 0.51 | 1.8 | 06/30/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 3.6 | ug/L | 1 | 0.67 | 2.0 | 06/30/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/30/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 15 | ug/L | 1 | 1.3 | 4.0 | 06/30/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 06/30/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 06/29/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 4.7 | mg/L | 1 | 0.033 | 0.10 | 06/30/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 0.80 | mg/L | 1 | 0.033 | 0.10 | 06/30/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 5.9 | ug/L | 1 | 0.87 | 3.0 | 06/30/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 06/30/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 17 | mg/L | 1 | 0.15* | 0.30 | 06/30/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 15 | mg/L | 1 | 0.15* | 0.30 | 06/30/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 740 | ug/L | 1 | 1.0* | 2.0 | 06/30/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 650 | ug/L | 1 | 1.0* | 2.0 | 06/30/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/24/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/24/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 9.6 | ug/L | 1 | 0.67 | 2.0 | 06/30/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [0.94] | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 7.6 | mg/L | 1 | 0.53 | 1.9 | 07/02/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 9.1 | mg/L | 1 | 0.53 | 1.9 | 07/02/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/15/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/15/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/30/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/30/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 150 | mg/L | 1 | 0.012 | 0.044 | 07/02/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 150 | mg/L | 1 | 0.012 | 0.044 | 07/02/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | [2.7] | ug/L | 1 | 2.5 | 8.7 | 07/14/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/14/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82248
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel-Ashland 25688375

**NS-GW-MW3Net-0604 NLS ID: 342588**
Ref. Line 1 COC 69747 NS-GW-MW3Net-0604 Matrix: GW
Collected: 06/21/04 14:00 Received: 06/22/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, tot. as V by ICP-Trace | 11 | ug/L | 1 | 0.67 | 2.0 | 06/30/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [1.1] | ug/L | 1 | 0.67 | 2.0 | 06/30/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 35 | ug/L | 1 | 5.0* | 10 | 06/30/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 06/30/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/28/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/23/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 07/03/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/23/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 07/08/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82248
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel-Ashland 25688375

**NS-GW-MW1Net-0604-MS/MSD NLS ID: 342589**
Ref. Line 2 COC 69747 NS-GW-MW1Net-0604-MS/MSD Matrix: GW
Collected: 06/21/04 11:45 Received: 06/22/04
Notes: Hexavalent chromium & metals collected at 13:45.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.59 | mg/L | 1 | 0.0042 | 0.015 | 06/30/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | 0.023 | mg/L | 1 | 0.0042 | 0.015 | 06/30/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/13/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/13/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 07/15/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [2.8] | ug/L | 1 | 2.6 | 9.0 | 07/15/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 170 | ug/L | 1 | 2.5* | 5.0 | 06/30/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 140 | ug/L | 1 | 2.5* | 5.0 | 06/30/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/30/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/30/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/30/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/30/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 49 | mg/L | 1 | 0.15* | 0.30 | 06/30/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 43 | mg/L | 1 | 0.15* | 0.30 | 06/30/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 15 | ug/L | 1 | 3.6* | | 06/22/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | | | | | 07/01/04 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | |
| Chromium, tot. as Cr by ICP-Trace | 2.9 | ug/L | 1 | 0.51 | 1.8 | 06/30/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.64] | ug/L | 1 | 0.51 | 1.8 | 06/30/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/30/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/30/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | [4.0] | ug/L | 1 | 1.3 | 4.0 | 06/30/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 06/30/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.0050] | mg/L | 1 | 0.0050 | 0.015 | 06/29/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 5.2 | mg/L | 1 | 0.033 | 0.10 | 06/30/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 2.6 | mg/L | 1 | 0.033 | 0.10 | 06/30/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | [1.6] | ug/L | 1 | 0.87 | 3.0 | 06/30/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 06/30/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 16 | mg/L | 1 | 0.15* | 0.30 | 06/30/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 14 | mg/L | 1 | 0.15* | 0.30 | 06/30/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 370 | ug/L | 1 | 1.0* | 2.0 | 06/30/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 310 | ug/L | 1 | 1.0* | 2.0 | 06/30/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/24/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/24/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | [2.0] | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.4 | mg/L | 1 | 0.53 | 1.9 | 07/02/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 4.4 | mg/L | 1 | 0.53 | 1.9 | 07/02/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/15/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/15/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/30/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/30/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 46 | mg/L | 1 | 0.012 | 0.044 | 07/02/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 66 | mg/L | 1 | 0.012 | 0.044 | 07/02/04 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 82248
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel-Ashland 25688375

**NS-GW-MW1Net-0604-MS/MSD NLS ID: 342589**
Ref. Line 2 COC 69747 NS-GW-MW1Net-0604-MS/MSD Matrix: GW
Collected: 06/21/04 11:45 Received: 06/22/04
Notes: Hexavalent chromium & metals collected at 13:45.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/14/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/14/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 3.8 | ug/L | 1 | 0.67 | 2.0 | 06/30/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [1.5] | ug/L | 1 | 0.67 | 2.0 | 06/30/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 13 | ug/L | 1 | 5.0* | 10 | 06/30/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 06/30/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/28/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/23/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 07/03/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/23/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 07/08/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82248
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel-Ashland 25688375

**NS-GW-TW12-0604 NLS ID: 342590**
Ref. Line 5 COC 69747 NS-GW-TW12-0604 Matrix: GW
Collected: 06/21/04 12:45 Received: 06/22/04
Notes: Sample identification of total and dissolved containers appear to have been mis-labeled by field crew.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.059 | mg/L | 1 | 0.0042 | 0.015 | 06/30/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | 0.023 | mg/L | 1 | 0.0042 | 0.015 | 06/30/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/13/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/13/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [7.1] | ug/L | 1 | 2.6 | 9.0 | 07/15/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 07/15/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 210 | ug/L | 1 | 2.5* | 5.0 | 06/30/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 280 | ug/L | 1 | 2.5* | 5.0 | 06/30/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/30/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 06/30/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 5 | 0.85 | 2.5 | 07/07/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 5 | 0.85 | 2.5 | 07/07/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 77 | mg/L | 1 | 0.15* | 0.30 | 06/30/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 98 | mg/L | 1 | 0.15* | 0.30 | 06/30/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 20 | ug/L | 1 | 3.6* | | 06/22/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | | | | | 07/01/04 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | |
| Chromium, tot. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 06/30/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 06/30/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/30/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/30/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 06/30/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 06/30/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 06/29/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 17 | mg/L | 1 | 0.033 | 0.10 | 06/30/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 35 | mg/L | 1 | 0.033 | 0.10 | 06/30/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | [1.7] | ug/L | 1 | 0.87 | 3.0 | 06/30/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 06/30/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 20 | mg/L | 1 | 0.15* | 0.30 | 06/30/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 21 | mg/L | 1 | 0.15* | 0.30 | 06/30/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 1200 | ug/L | 1 | 1.0* | 2.0 | 06/30/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 1700 | ug/L | 1 | 1.0* | 2.0 | 06/30/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/24/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/24/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/30/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/30/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 6.4 | mg/L | 1 | 0.53 | 1.9 | 07/02/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 5.4 | mg/L | 1 | 0.53 | 1.9 | 07/02/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/15/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/15/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/30/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 06/30/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 130 | mg/L | 1 | 0.012 | 0.044 | 07/02/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 68 | mg/L | 1 | 0.012 | 0.044 | 07/02/04 | SW846 6010 | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
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# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Ben Nelson**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 82248**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel-Ashland 25688375**

**NS-GW-TW12-0604 NLS ID: 342590**
Ref. Line 5 COC 69747 NS-GW-TW12-0604 Matrix: GW
Collected: 06/21/04 12:45 Received: 06/22/04
Notes: Sample identification of total and dissolved containers appear to have been mis-labeled by field crew.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/14/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/14/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | [1.1] | ug/L | 1 | 0.67 | 2.0 | 06/30/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 2.7 | ug/L | 1 | 0.67 | 2.0 | 06/30/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | [6.3] | ug/L | 1 | 5.0* | 10 | 06/30/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [5.3] | ug/L | 1 | 5.0* | 10 | 06/30/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/28/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/23/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 07/03/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/23/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 07/08/04 | SW846 8270C | 721026460 |

**Trip Blank NLS ID: 342591**
Ref. Line 6 COC 69747 Trip Blank Matrix: TB
Collected: 06/21/04 00:00 Received: 06/22/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 07/03/04 | SW846 8260 | 721026460 |

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82248**

**Project Description: Xcel-Ashland 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:52**

**Sample: 342588** **NS-GW-MW3Net-0604** **Collected: 06/21/04** **Analyzed: 07/08/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [92] | ug/L | 50 | 75 | 250 |
| Acenaphthylene | ND | ug/L | 50 | 84 | 280 |
| Anthracene | [89] | ug/L | 50 | 68 | 230 |
| Benzo[a]anthracene | [210] | ug/L | 50 | 69 | 230 |
| Benzo[a]pyrene | 240 | ug/L | 50 | 69 | 230 |
| Benzo[b]fluoranthene | [120] | ug/L | 50 | 63 | 210 |
| Benzo[g,h,i]perylene | [120] | ug/L | 50 | 67 | 220 |
| Benzo[k]fluoranthene | [120] | ug/L | 50 | 84 | 280 |
| Chrysene | [220] | ug/L | 50 | 70 | 230 |
| Dibenzo[a,h]anthracene | ND | ug/L | 50 | 66 | 220 |
| Dibenzofuran | ND | ug/L | 50 | 79 | 260 |
| Fluoranthene | 350 | ug/L | 50 | 72 | 240 |
| Fluorene | ND | ug/L | 50 | 85 | 280 |
| Indeno[1,2,3-cd]pyrene | [83] | ug/L | 50 | 77 | 260 |
| 1-Methylnaphthalene | ND | ug/L | 50 | 80 | 270 |
| 2-Methylnaphthalene | ND | ug/L | 50 | 77 | 260 |
| 2-Methylphenol | ND | ug/L | 50 | 56 | 210 |
| 3 & 4-Methylphenol | ND | ug/L | 50 | 63 | 210 |
| Naphthalene | ND | ug/L | 50 | 83 | 280 |
| Phenanthrene | [150] | ug/L | 50 | 71 | 240 |
| Phenol | ND | ug/L | 50 | 25 | 85 |
| Pyrene | 650 | ug/L | 50 | 72 | 240 |
| Benzo[e]pyrene | [140] | ug/L | 50 | 55 | 180 |
| 2-Fluorophenol (SURR**) | 19% | | | | |
| Phenol-d5 (SURR**) | 17% | | | | |
| Nitrobenzene-d5 (SURR**) | 108% | | | | |
| 2-Fluorobiphenyl (SURR**) | 89% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 66% | | | | |
| Terphenyl-d14 (SURR**) | 157% | | | | |

Matrix spike and matrix spike duplicate recoveries for Naphthalene, 2-Methylnaphthalene, and Acenaphthene could not be quantitated effectively due to sample matrix.

Matrix spike duplicate recoveries for Dibenzofuran, Phenanthrene, and Pyrene were below QC limits.

Matrix spike and matrix spike duplicate recoveries for Benzo[a]anthracene were above QC limits.

Surrogate recovery for Terphenyl-d14 was outside QC limits due to sample matrix.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82248**

***Project Description: Xcel-Ashland 25688375***

**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:52**

**Sample: 342589** **NS-GW-MW1Net-0604-MS/MSD** **Collected: 06/21/04** **Analyzed: 07/08/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [140] | ug/L | 50 | 75 | 250 |
| Acenaphthylene | ND | ug/L | 50 | 84 | 280 |
| Anthracene | ND | ug/L | 50 | 68 | 230 |
| Benzo[a]anthracene | ND | ug/L | 50 | 69 | 230 |
| Benzo[a]pyrene | ND | ug/L | 50 | 69 | 230 |
| Benzo[b]fluoranthene | ND | ug/L | 50 | 63 | 210 |
| Benzo[g,h,i]perylene | ND | ug/L | 50 | 67 | 220 |
| Benzo[k]fluoranthene | ND | ug/L | 50 | 84 | 280 |
| Chrysene | ND | ug/L | 50 | 70 | 230 |
| Dibenzo[a,h]anthracene | ND | ug/L | 50 | 66 | 220 |
| Dibenzofuran | ND | ug/L | 50 | 79 | 260 |
| Fluoranthene | ND | ug/L | 50 | 72 | 240 |
| Fluorene | ND | ug/L | 50 | 85 | 280 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 50 | 77 | 260 |
| 1-Methylnaphthalene | 410 | ug/L | 50 | 80 | 270 |
| 2-Methylnaphthalene | [180] | ug/L | 50 | 77 | 260 |
| 2-Methylphenol | ND | ug/L | 50 | 56 | 210 |
| 3 & 4-Methylphenol | ND | ug/L | 50 | 63 | 210 |
| Naphthalene | 1100 | ug/L | 50 | 83 | 280 |
| Phenanthrene | ND | ug/L | 50 | 71 | 240 |
| Phenol | ND | ug/L | 50 | 25 | 85 |
| Pyrene | ND | ug/L | 50 | 72 | 240 |
| Benzo[e]pyrene | ND | ug/L | 50 | 55 | 180 |
| 2-Fluorophenol (SURR**) | 17% | | | | |
| Phenol-d5 (SURR**) | 18% | | | | |
| Nitrobenzene-d5 (SURR**) | 74% | | | | |
| 2-Fluorobiphenyl (SURR**) | 78% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 52% | | | | |
| Terphenyl-d14 (SURR**) | 138% | | | | |

Matrix spike and matrix spike duplicate recoveries for Naphthalene, 2-Methylnaphthalene, and Acenaphthene could not be quantitated effectively due to sample matrix.

Matrix spike duplicate recoveries for Dibenzofuran, Phenanthrene, and Pyrene were below QC limits.

Suirrogate recovery for Terphenyl-d14 was outside QC limits due to sample matrix.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82248**
**Project Description: Xcel-Ashland 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:52**

**Sample: 342590** **NS-GW-TW12-0604** **Collected: 06/21/04** **Analyzed: 07/08/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 12 | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | [2.2] | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | 28 | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | 33 | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 25% | | | | |
| Phenol-d5 (SURR**) | 20% | | | | |
| Nitrobenzene-d5 (SURR**) | 88% | | | | |
| 2-Fluorobiphenyl (SURR**) | 77% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 93% | | | | |
| Terphenyl-d14 (SURR**) | 79% | | | | |

Matrix spike and matrix spike duplicate recoveries for Naphthalene, 2-Methylnaphthalene, and Acenaphthene could not be quantitated effectively due to sample matrix.
Matrix spike duplicate recoveries for Dibenzofuran, Phenanthrene, and Pyrene were below QC limits.
Matrix spike and matrix spike duplicate percent difference exceeded control limits for Fluorene.

** Surrogates are used to evaluate a method's Quality Control.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82248**

**Project Description: Xcel-Ashland 25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 07/27/2004 13:51**

**Sample: 342588** **NS-GW-MW3Net-0604** **Collected: 06/21/04** **Analyzed: 07/03/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [3.5] | ug/L | 20 | 2.3 | 7.7 |
| sec-Butylbenzene | ND | ug/L | 20 | 3.1 | 10 |
| Ethylbenzene | ND | ug/L | 20 | 2.8 | 9.4 |
| ortho-Xylene | ND | ug/L | 20 | 2.7 | 8.9 |
| Styrene | ND | ug/L | 20 | 2.8 | 9.4 |
| Toluene | ND | ug/L | 20 | 4.1 | 15 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 20 | 2.9 | 9.6 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 20 | 2.4 | 8.1 |
| meta,para-Xylene | ND | ug/L | 20 | 5.2 | 18 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 20 | 4.1 | 14 |
| Dibromofluoromethane (SURR**) | 107% | | | | |
| Toluene-d8 (SURR**) | 111% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 112% | | | | |

Sample diluted due to a high level of hydrocarbons present.

**Sample: 342589** **NS-GW-MW1Net-0604-MS/MSD** **Collected: 06/21/04** **Analyzed: 07/03/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 2200 | ug/L | 200 | 23 | 77 |
| sec-Butylbenzene | ND | ug/L | 200 | 31 | 100 |
| Ethylbenzene | 420 | ug/L | 200 | 28 | 94 |
| ortho-Xylene | 190 | ug/L | 200 | 27 | 89 |
| Styrene | ND | ug/L | 200 | 28 | 94 |
| Toluene | [73] | ug/L | 200 | 41 | 150 |
| 1,2,4-Trimethylbenzene | 120 | ug/L | 200 | 29 | 96 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 200 | 24 | 81 |
| meta,para-Xylene | 180 | ug/L | 200 | 52 | 180 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 200 | 41 | 140 |
| Dibromofluoromethane (SURR**) | 98% | | | | |
| Toluene-d8 (SURR**) | 108% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 105% | | | | |

**Sample: 342590** **NS-GW-TW12-0604** **Collected: 06/21/04** **Analyzed: 07/03/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 72 | ug/L | 5 | 0.58 | 1.9 |
| sec-Butylbenzene | ND | ug/L | 5 | 0.79 | 2.6 |
| Ethylbenzene | 8.5 | ug/L | 5 | 0.71 | 2.3 |
| ortho-Xylene | 4.2 | ug/L | 5 | 0.67 | 2.2 |
| Styrene | ND | ug/L | 5 | 0.70 | 2.3 |
| Toluene | ND | ug/L | 5 | 1.0 | 3.9 |
| 1,2,4-Trimethylbenzene | 14 | ug/L | 5 | 0.72 | 2.4 |
| 1,3,5-Trimethylbenzene | [1.5] | ug/L | 5 | 0.61 | 2.0 |
| meta,para-Xylene | [2.4] | ug/L | 5 | 1.3 | 4.4 |
| 1,2,3-Trimethylbenzene | 7.8 | ug/L | 5 | 1.0 | 3.4 |
| Dibromofluoromethane (SURR**) | 99% | | | | |
| Toluene-d8 (SURR**) | 106% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82248**

**Project Description: Xcel-Ashland 25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 07/27/2004 13:51**

**Sample: 342591** **Trip Blank** **Collected: 06/21/04** **Analyzed: 07/03/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | [0.64] | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 108% | | | | |
| Toluene-d8 (SURR**) | 112% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 109% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 82289
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel Energy-25688375

**NSGWMW21A-0604 MS/MSD NLS ID: 342731**
Ref. Line 1 COC 69749 NSGWMW21A-0604 MS/MSD Matrix: GW
Collected: 06/22/04 13:00 Received: 06/23/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.56 | mg/L | 1 | 0.0042 | 0.015 | 07/01/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 07/01/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/14/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/14/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 07/16/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 07/16/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 370 | ug/L | 1 | 2.5* | 5.0 | 07/01/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 370 | ug/L | 1 | 2.5* | 5.0 | 07/01/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/01/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/01/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/01/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/01/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 110 | mg/L | 1 | 0.15* | 0.30 | 07/01/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 110 | mg/L | 1 | 0.15* | 0.30 | 07/01/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 7.6 | ug/L | 1 | 3.6* | | 06/23/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | | | 3.6* | | 07/08/04 | Calc. | 721026460 |
| | No reportable result due to hexavalent chromium value exceeding total chromium value. | | | | | | | |
| Chromium, tot. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 07/01/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 07/01/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | [1.4] | ug/L | 1 | 1.3 | 4.0 | 07/01/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 07/01/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.0050] | mg/L | 1 | 0.0050 | 0.015 | 06/29/04 | EPA 335.4 | 721026460 |
| | Matrix spike and matrix spike duplicate percent difference associated with this sample exceeded control limits due to sample matrix. All other quality control checks were within QC limits. | | | | | | | |
| Iron, tot. as Fe by ICP-Trace | 1.3 | mg/L | 1 | 0.033 | 0.10 | 07/01/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 0.82 | mg/L | 1 | 0.033 | 0.10 | 07/01/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 3.2 | ug/L | 1 | 0.87 | 3.0 | 07/01/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [1.9] | ug/L | 1 | 0.87 | 3.0 | 07/01/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 60 | mg/L | 1 | 0.15* | 0.30 | 07/01/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 60 | mg/L | 1 | 0.15* | 0.30 | 07/01/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 610 | ug/L | 1 | 1.0* | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 590 | ug/L | 1 | 1.0* | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/24/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/24/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | [1.1] | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.3] | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 9.0 | mg/L | 1 | 0.53 | 1.9 | 07/02/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 8.6 | mg/L | 1 | 0.53 | 1.9 | 07/02/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/15/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/15/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 35 | mg/L | 1 | 0.012 | 0.044 | 07/02/04 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82289
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Energy-25688375

**NSGWMW21A-0604 MS/MSD NLS ID: 342731**
Ref. Line 1 COC 69749 NSGWMW21A-0604 MS/MSD Matrix: GW
Collected: 06/22/04 13:00 Received: 06/23/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Sodium, tot. as Na | 35 | mg/L | 1 | 0.012 | 0.044 | 07/02/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/14/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/14/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | [1.3] | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Zinc tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 07/01/04 | SW846 6010 | 721026460 |
| Zinc dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 07/01/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/28/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/30/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/29/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/25/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 07/05/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82289
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Energy-25688375

**NSGWMW21B-0604 NLS ID: 342732**
Ref. Line 3 COC 69749 NSGWMW21B-0604 Matrix: GW
Collected: 06/22/04 13:10 Received: 06/23/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 43 | mg/L | 1 | 0.0042 | 0.015 | 07/01/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 07/01/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/14/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/14/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 07/16/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [4.4] | ug/L | 1 | 2.6 | 9.0 | 07/16/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 380 | ug/L | 1 | 2.5* | 5.0 | 07/01/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 58 | ug/L | 1 | 2.5* | 5.0 | 07/01/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | 0.59 | ug/L | 1 | 0.17 | 0.50 | 07/01/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/01/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 5 | 0.85 | 2.5 | 07/07/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/01/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 59 | mg/L | 1 | 0.15* | 0.30 | 07/01/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 28 | mg/L | 1 | 0.15* | 0.30 | 07/01/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 06/23/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 47 | ug/L | 1 | 3.6* | | 07/08/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 47 | ug/L | 1 | 0.51 | 1.8 | 07/01/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 07/01/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 22 | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 93 | ug/L | 1 | 1.3 | 4.0 | 07/01/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 07/01/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 06/29/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 34 | mg/L | 1 | 0.033 | 0.10 | 07/01/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 07/01/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 26 | ug/L | 1 | 0.87 | 3.0 | 07/01/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [2.6] | ug/L | 1 | 0.87 | 3.0 | 07/01/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 32 | mg/L | 1 | 0.15* | 0.30 | 07/01/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 9.2 | mg/L | 1 | 0.15* | 0.30 | 07/01/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 690 | ug/L | 1 | 1.0* | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 61 | ug/L | 1 | 1.0* | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/24/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/24/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 47 | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.6] | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 6.1 | mg/L | 1 | 0.53 | 1.9 | 07/02/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 15 | mg/L | 1 | 0.53 | 1.9 | 07/02/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/15/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/15/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 65 | mg/L | 1 | 0.012 | 0.044 | 07/02/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 67 | mg/L | 1 | 0.012 | 0.044 | 07/02/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/14/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/14/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82289
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Energy-25688375

**NSGWMW21B-0604 NLS ID: 342732**
Ref. Line 3 COC 69749 NSGWMW21B-0604 Matrix: GW
Collected: 06/22/04 13:10 Received: 06/23/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, tot. as V by ICP-Trace | 85 | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 5.8 | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 110 | ug/L | 1 | 5.0* | 10 | 07/01/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 07/01/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/28/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/30/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/29/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/25/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 07/05/04 | SW846 8270C | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Ben Nelson**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 82289**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel Energy-25688375**

**NSGWDUP4-0604 NLS ID: 342733**
Ref. Line 4 COC 69749 NSGWDUP4-0604 Matrix: GW
Collected: 06/22/04 13:15 Received: 06/23/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 46 | mg/L | 1 | 0.0042 | 0.015 | 07/01/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | 0.090 | mg/L | 1 | 0.0042 | 0.015 | 07/01/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/14/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/14/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 07/16/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [6.2] | ug/L | 1 | 2.6 | 9.0 | 07/16/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 420 | ug/L | 1 | 2.5* | 5.0 | 07/01/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 57 | ug/L | 1 | 2.5* | 5.0 | 07/01/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | 0.71 | ug/L | 1 | 0.17 | 0.50 | 07/01/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/01/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 5 | 0.85 | 2.5 | 07/07/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/01/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 61 | mg/L | 1 | 0.15* | 0.30 | 07/01/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 28 | mg/L | 1 | 0.15* | 0.30 | 07/01/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 7.6 | ug/L | 1 | 3.6* | | 06/23/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 43 | ug/L | 1 | 3.6* | | 07/08/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 51 | ug/L | 1 | 0.51 | 1.8 | 07/01/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 07/01/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 24 | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 100 | ug/L | 1 | 1.3 | 4.0 | 07/01/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 07/01/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 06/29/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 38 | mg/L | 1 | 0.033 | 0.10 | 07/01/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | [0.075] | mg/L | 1 | 0.033 | 0.10 | 07/01/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 29 | ug/L | 1 | 0.87 | 3.0 | 07/01/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [1.6] | ug/L | 1 | 0.87 | 3.0 | 07/01/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 33 | mg/L | 1 | 0.15* | 0.30 | 07/01/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 9.1 | mg/L | 1 | 0.15* | 0.30 | 07/01/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 750 | ug/L | 1 | 1.0* | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 62 | ug/L | 1 | 1.0* | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/24/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/24/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 49 | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [0.68] | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 6.1 | mg/L | 1 | 0.53 | 1.9 | 07/02/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 16 | mg/L | 1 | 0.53 | 1.9 | 07/02/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/15/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/15/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 65 | mg/L | 1 | 0.012 | 0.044 | 07/02/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 68 | mg/L | 1 | 0.012 | 0.044 | 07/02/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/14/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/14/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82289
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Energy-25688375

**NSGWDUP4-0604 NLS ID: 342733**
Ref. Line 4 COC 69749 NSGWDUP4-0604 Matrix: GW
Collected: 06/22/04 13:15 Received: 06/23/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, tot. as V by ICP-Trace | 92 | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 6.0 | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 110 | ug/L | 1 | 5.0* | 10 | 07/01/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 07/01/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/28/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/30/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/29/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/25/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 07/05/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 82289
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**Client:** URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

**Project:** Xcel Energy-25688375

**NSGWMW10-0604 NLS ID: 342734**
Ref. Line 5 COC 69749 NSGWMW10-0604 Matrix: GW
Collected: 06/22/04 14:00 Received: 06/23/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 3.0 | mg/L | 1 | 0.0042 | 0.015 | 07/01/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 07/01/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/14/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/14/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 07/16/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 07/16/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 270 | ug/L | 1 | 2.5* | 5.0 | 07/01/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 260 | ug/L | 1 | 2.5* | 5.0 | 07/01/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/01/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/01/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/01/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/01/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 190 | mg/L | 1 | 0.15* | 0.30 | 07/01/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 190 | mg/L | 1 | 0.15* | 0.30 | 07/01/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 3.7 | ug/L | 1 | 3.6* | | 06/23/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 07/08/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 4.2 | ug/L | 1 | 0.51 | 1.8 | 07/01/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 07/01/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 2.9 | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 10 | ug/L | 1 | 1.3 | 4.0 | 07/01/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | [2.8] | ug/L | 1 | 1.3 | 4.0 | 07/01/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 06/29/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 2.4 | mg/L | 1 | 0.033 | 0.10 | 07/01/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | [0.062] | mg/L | 1 | 0.033 | 0.10 | 07/01/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 4.9 | ug/L | 1 | 0.87 | 3.0 | 07/01/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [2.1] | ug/L | 1 | 0.87 | 3.0 | 07/01/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 85 | mg/L | 1 | 0.15* | 0.30 | 07/01/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 85 | mg/L | 1 | 0.15* | 0.30 | 07/01/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 270 | ug/L | 1 | 1.0* | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 210 | ug/L | 1 | 1.0* | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/24/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/24/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 5.1 | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 2.2 | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 2.5 | mg/L | 1 | 0.53 | 1.9 | 07/02/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 3.3 | mg/L | 1 | 0.53 | 1.9 | 07/02/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/15/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/15/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 92 | mg/L | 1 | 0.012 | 0.044 | 07/02/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 88 | mg/L | 1 | 0.012 | 0.044 | 07/02/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/14/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/14/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82289
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Energy-25688375

**NSGWMW10-0604 NLS ID: 342734**
Ref. Line 5 COC 69749 NSGWMW10-0604 Matrix: GW
Collected: 06/22/04 14:00 Received: 06/23/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, tot. as V by ICP-Trace | 9.1 | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 3.6 | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 20 | ug/L | 1 | 5.0* | 10 | 07/01/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [8.0] | ug/L | 1 | 5.0* | 10 | 07/01/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/28/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/30/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/29/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/25/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 07/05/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82289
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Energy-25688375

**NSGWMW10A-0604 NLS ID: 342735**
Ref. Line 6 COC 69749 NSGWMW10A-0604 Matrix: GW
Collected: 06/22/04 14:10 Received: 06/23/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.16 | mg/L | 1 | 0.0042 | 0.015 | 07/01/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 07/01/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/14/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/14/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [5.9] | ug/L | 1 | 2.6 | 9.0 | 07/16/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [6.0] | ug/L | 1 | 2.6 | 9.0 | 07/16/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 180 | ug/L | 1 | 2.5* | 5.0 | 07/01/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 180 | ug/L | 1 | 2.5* | 5.0 | 07/01/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/01/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/01/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/01/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/01/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 110 | mg/L | 1 | 0.15* | 0.30 | 07/01/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 110 | mg/L | 1 | 0.15* | 0.30 | 07/01/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 06/23/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 07/08/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [0.58] | ug/L | 1 | 0.51 | 1.8 | 07/01/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 07/01/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 4.3 | ug/L | 1 | 1.3 | 4.0 | 07/01/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | [2.8] | ug/L | 1 | 1.3 | 4.0 | 07/01/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 06/29/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 0.30 | mg/L | 1 | 0.033 | 0.10 | 07/01/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 07/01/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 6.4 | ug/L | 1 | 0.87 | 3.0 | 07/01/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | 3.1 | ug/L | 1 | 0.87 | 3.0 | 07/01/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 59 | mg/L | 1 | 0.15* | 0.30 | 07/01/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 59 | mg/L | 1 | 0.15* | 0.30 | 07/01/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 200 | ug/L | 1 | 1.0* | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 170 | ug/L | 1 | 1.0* | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/24/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/24/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | [0.94] | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.6] | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 7.8 | mg/L | 1 | 0.53 | 1.9 | 07/02/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 7.6 | mg/L | 1 | 0.53 | 1.9 | 07/02/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/15/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/15/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 30 | mg/L | 1 | 0.012 | 0.044 | 07/02/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 29 | mg/L | 1 | 0.012 | 0.044 | 07/02/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/14/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/14/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82289
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Energy-25688375

**NSGWMW10A-0604 NLS ID: 342735**
Ref. Line 6 COC 69749 NSGWMW10A-0604 Matrix: GW
Collected: 06/22/04 14:10 Received: 06/23/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, tot. as V by ICP-Trace | [0.89] | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 13 | ug/L | 1 | 5.0* | 10 | 07/01/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [9.7] | ug/L | 1 | 5.0* | 10 | 07/01/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/28/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/30/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/29/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/25/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 07/05/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 82289
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Energy-25688375

**NSGWMW15-0604 NLS ID: 342736**
Ref. Line 7 COC 69749 NSGWMW15-0604 Matrix: GW
Collected: 06/22/04 14:40 Received: 06/23/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.22 | mg/L | 2 | 0.0084 | 0.030 | 07/01/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 07/01/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | [3.4] | ug/L | 1 | 3.2 | 11 | 07/14/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/14/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | 9.4 | ug/L | 1 | 2.6 | 9.0 | 07/16/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [4.5] | ug/L | 1 | 2.6 | 9.0 | 07/16/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 440 | ug/L | 2 | 5.0* | 10 | 07/01/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 370 | ug/L | 1 | 2.5* | 5.0 | 07/01/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 2 | 0.34 | 1.0 | 07/01/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/01/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 10 | 1.7 | 5.0 | 07/07/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 10 | 1.7 | 5.0 | 07/07/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 170 | mg/L | 2 | 0.30* | 0.60 | 07/01/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 170 | mg/L | 1 | 0.15* | 0.30 | 07/01/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 7.6 | ug/L | 1 | 3.6* | | 06/23/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 5.7 | ug/L | 1 | 3.6* | | 07/08/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 13 | ug/L | 2 | 1.0 | 3.6 | 07/01/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | 7.7 | ug/L | 1 | 0.51 | 1.8 | 07/01/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 2 | 1.3 | 4.0 | 07/01/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | [1.3] | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 2 | 2.7 | 8.0 | 07/01/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | [1.6] | ug/L | 1 | 1.3 | 4.0 | 07/01/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | 1.7 | mg/L | 10 | 0.050 | 0.15 | 07/01/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 110 | mg/L | 2 | 0.066 | 0.20 | 07/01/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 96 | mg/L | 1 | 0.033 | 0.10 | 07/01/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 6.6 | ug/L | 2 | 1.7 | 6.0 | 07/01/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | 3.2 | ug/L | 1 | 0.87 | 3.0 | 07/01/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 57 | mg/L | 2 | 0.30* | 0.60 | 07/01/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 77 | mg/L | 1 | 0.15* | 0.30 | 07/01/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 3100 | ug/L | 2 | 2.0* | 4.0 | 07/01/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 2600 | ug/L | 1 | 1.0* | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/24/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/24/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 7.1 | ug/L | 2 | 1.3 | 4.0 | 07/01/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 5.9 | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 24 | mg/L | 1 | 0.53 | 1.9 | 07/02/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 11 | mg/L | 1 | 0.53 | 1.9 | 07/02/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/15/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/15/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 2 | 1.3 | 4.0 | 07/01/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 38 | mg/L | 1 | 0.012 | 0.044 | 07/02/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 35 | mg/L | 2 | 0.024 | 0.088 | 07/02/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/14/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/14/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82289
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Energy-25688375

**NSGWMW15-0604 NLS ID: 342736**
Ref. Line 7 COC 69749 NSGWMW15-0604 Matrix: GW
Collected: 06/22/04 14:40 Received: 06/23/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, tot. as V by ICP-Trace | 12 | ug/L | 2 | 1.3 | 4.0 | 07/01/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 6.1 | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Zinc tot. as Zn by ICP-Trace | 24 | ug/L | 2 | 10* | 20 | 07/01/04 | SW846 6010 | 721026460 |
| Zinc dis. as Zn by ICP-Trace | 16 | ug/L | 1 | 5.0* | 10 | 07/01/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/28/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/30/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/29/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/25/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 07/05/04 | SW846 8270C | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Ben Nelson**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 82289**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel Energy-25688375**

**NSGWMW15A-0604 NLS ID: 342737**
Ref. Line 8 COC 69749 NSGWMW15A-0604 Matrix: GW
Collected: 06/22/04 14:45 Received: 06/23/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.78 | mg/L | 1 | 0.0042 | 0.015 | 07/01/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0060] | mg/L | 1 | 0.0042 | 0.015 | 07/01/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/14/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/14/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 07/16/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [3.1] | ug/L | 1 | 2.6 | 9.0 | 07/16/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 700 | ug/L | 1 | 2.5* | 5.0 | 07/01/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 690 | ug/L | 1 | 2.5* | 5.0 | 07/01/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/01/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/01/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/01/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/01/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 190 | mg/L | 1 | 0.15* | 0.30 | 07/01/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 190 | mg/L | 1 | 0.15* | 0.30 | 07/01/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 7.6 | ug/L | 1 | 3.6* | | 06/23/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | | | 3.6* | | 07/08/04 | Calc. | 721026460 |
| | No reportable result due to hexavalent chromium value exceeding total chromium value. | | | | | | | |
| Chromium, tot. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 07/01/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 07/01/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 3.8 | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | 4.2 | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 8.0 | ug/L | 1 | 1.3 | 4.0 | 07/01/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | [2.3] | ug/L | 1 | 1.3 | 4.0 | 07/01/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | 0.018 | mg/L | 1 | 0.0050 | 0.015 | 06/29/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 2.7 | mg/L | 1 | 0.033 | 0.10 | 07/01/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 1.4 | mg/L | 1 | 0.033 | 0.10 | 07/01/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 8.4 | ug/L | 1 | 0.87 | 3.0 | 07/01/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [2.8] | ug/L | 1 | 0.87 | 3.0 | 07/01/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 88 | mg/L | 1 | 0.15* | 0.30 | 07/01/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 90 | mg/L | 1 | 0.15* | 0.30 | 07/01/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 3200 | ug/L | 1 | 1.0* | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 3200 | ug/L | 1 | 1.0* | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/24/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/24/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 4.2 | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 7.1 | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 15 | mg/L | 1 | 0.53 | 1.9 | 07/02/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 13 | mg/L | 1 | 0.53 | 1.9 | 07/02/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/15/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 2 | 3.2 | 11 | 07/15/04 | SW846 7740 | 721026460 |
| | Sample required a dilution to overcome negative interference encountered during analysis. | | | | | | | |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 48 | mg/L | 1 | 0.012 | 0.044 | 07/02/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 45 | mg/L | 1 | 0.012 | 0.044 | 07/02/04 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel Energy-25688375

NLS Project: 82289
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**NSGWMW15A-0604 NLS ID: 342737**
Ref. Line 8 COC 69749 NSGWMW15A-0604 Matrix: GW
Collected: 06/22/04 14:45 Received: 06/23/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/14/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 2 | 5.0 | 17 | 07/14/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 4.9 | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 3.7 | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 15 | ug/L | 1 | 5.0* | 10 | 07/01/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [7.1] | ug/L | 1 | 5.0* | 10 | 07/01/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/28/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/30/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/29/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/25/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 07/05/04 | SW846 8270C | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Ben Nelson**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 82289**
**NLS Customer: 91206**
**Fax: 414 831 4101 Phone: 414 831 4100**

**Project:** **Xcel Energy-25688375**

**NSGWMW15B-0604 NLS ID: 342738**
Ref. Line 9 COC 69749 NSGWMW15B-0604 Matrix: GW
Collected: 06/22/04 14:50 Received: 06/23/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.21 | mg/L | 1 | 0.0042 | 0.015 | 07/01/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 07/01/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/14/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/14/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 07/16/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 07/16/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 220 | ug/L | 1 | 2.5* | 5.0 | 07/01/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 220 | ug/L | 1 | 2.5* | 5.0 | 07/01/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/01/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/01/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/01/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/01/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 180 | mg/L | 1 | 0.15* | 0.30 | 07/01/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 180 | mg/L | 1 | 0.15* | 0.30 | 07/01/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 3.7 | ug/L | 1 | 3.6* | | 06/23/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | | | 3.6* | | 07/08/04 | Calc. | 721026460 |
| | No reportable result due to hexavalent chromium value exceeding total chromium value. | | | | | | | |
| Chromium, tot. as Cr by ICP-Trace | 1.9 | ug/L | 1 | 0.51 | 1.8 | 07/01/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | 1.8 | ug/L | 1 | 0.51 | 1.8 | 07/01/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | [3.5] | ug/L | 1 | 1.3 | 4.0 | 07/01/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | [3.7] | ug/L | 1 | 1.3 | 4.0 | 07/01/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 06/29/04 | EPA 335.4 | 721026460 |
| | Matrix spike and matrix spike duplicate percent difference associated with this distillation batch exceeded control limits due to sample matrix. All other quality control checks were within QC limits. | | | | | | | |
| Iron, tot. as Fe by ICP-Trace | 0.21 | mg/L | 1 | 0.033 | 0.10 | 07/01/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 07/01/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 4.1 | ug/L | 1 | 0.87 | 3.0 | 07/01/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [3.0] | ug/L | 1 | 0.87 | 3.0 | 07/01/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 79 | mg/L | 1 | 0.15* | 0.30 | 07/01/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 81 | mg/L | 1 | 0.15* | 0.30 | 07/01/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 100 | ug/L | 1 | 1.0* | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 99 | ug/L | 1 | 1.0* | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/24/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/24/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 2.3 | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 2.7 | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 7.5 | mg/L | 1 | 0.53 | 1.9 | 07/02/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 7.0 | mg/L | 1 | 0.53 | 1.9 | 07/02/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 2 | 3.2 | 11 | 07/15/04 | SW846 7740 | 721026460 |
| | Sample required a dilution to overcome negative interference encountered during analysis. | | | | | | | |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/15/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82289
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Energy-25688375

**NSGWMW15B-0604 NLS ID: 342738**
Ref. Line 9 COC 69749 NSGWMW15B-0604 Matrix: GW
Collected: 06/22/04 14:50 Received: 06/23/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Sodium, dis. as Na | 65 | mg/L | 1 | 0.012 | 0.044 | 07/02/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 62 | mg/L | 1 | 0.012 | 0.044 | 07/02/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 2 | 5.0 | 17 | 07/14/04 | SW846 7841 | 721026460 |
| | Sample required a dilution to overcome negative interference encountered during analysis. | | | | | | | |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/14/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 4.9 | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 4.4 | ug/L | 1 | 0.67 | 2.0 | 07/01/04 | SW846 6010 | 721026460 |
| Zinc tot. as Zn by ICP-Trace | [7.0] | ug/L | 1 | 5.0* | 10 | 07/01/04 | SW846 6010 | 721026460 |
| Zinc dis. as Zn by ICP-Trace | [6.2] | ug/L | 1 | 5.0* | 10 | 07/01/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/28/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/30/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 06/29/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/25/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 07/05/04 | SW846 8270C | 721026460 |

**Trip Blank NLS ID: 342739**
Ref. Line 10 COC 69749 Trip Blank Matrix: TB
Collected: 06/22/04 00:00 Received: 06/23/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 06/29/04 | SW846 8260 | 721026460 |

*Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.*

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82289**

**Project Description: Xcel Energy-25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:50**

**Sample: 342731** **NSGWMW21A-0604 MS/MSD** **Collected: 06/22/04** **Analyzed: 07/05/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 300 | 1000 |
| Acenaphthylene | ND | ug/L | 200 | 340 | 1100 |
| Anthracene | ND | ug/L | 200 | 270 | 900 |
| Benzo[a]anthracene | ND | ug/L | 200 | 280 | 920 |
| Benzo[a]pyrene | ND | ug/L | 200 | 280 | 920 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 250 | 840 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 270 | 900 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 340 | 1100 |
| Chrysene | ND | ug/L | 200 | 280 | 930 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 260 | 880 |
| Dibenzofuran | ND | ug/L | 200 | 310 | 1000 |
| Fluoranthene | ND | ug/L | 200 | 290 | 950 |
| Fluorene | ND | ug/L | 200 | 340 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 310 | 1000 |
| 1-Methylnaphthalene | [710] | ug/L | 200 | 320 | 1100 |
| 2-Methylnaphthalene | 1000 | ug/L | 200 | 310 | 1000 |
| 2-Methylphenol | ND | ug/L | 200 | 220 | 820 |
| 3 & 4-Methylphenol | [270] | ug/L | 200 | 250 | 840 |
| Naphthalene | 7300 | ug/L | 200 | 330 | 1100 |
| Phenanthrene | ND | ug/L | 200 | 290 | 950 |
| Phenol | ND | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 290 | 960 |
| Benzo[e]pyrene | ND | ug/L | 200 | 220 | 740 |
| 2-Fluorophenol (SURR**) | 27% | | | | |
| Phenol-d5 (SURR**) | 22% | | | | |
| Nitrobenzene-d5 (SURR**) | 99% | | | | |
| 2-Fluorobiphenyl (SURR**) | 94% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 37% | | | | |
| Terphenyl-d14 (SURR**) | 74% | | | | |

Matrix spike and matrix spike duplicate recoveries could not be quantitated due to a high dilution factor.
All laboratory control spike and laboratory control spike duplicate recoveries were within QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82289**
**Project Description: Xcel Energy-25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:50**

**Sample: 342732** **NSGWMW21B-0604** **Collected: 06/22/04** **Analyzed: 07/05/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 5 | 7.5 | 25 |
| Acenaphthylene | 36 | ug/L | 5 | 8.4 | 28 |
| Anthracene | [7.5] | ug/L | 5 | 6.8 | 23 |
| Benzo[a]anthracene | ND | ug/L | 5 | 6.9 | 23 |
| Benzo[a]pyrene | ND | ug/L | 5 | 6.9 | 23 |
| Benzo[b]fluoranthene | ND | ug/L | 5 | 6.3 | 21 |
| Benzo[g,h,i]perylene | ND | ug/L | 5 | 6.7 | 22 |
| Benzo[k]fluoranthene | ND | ug/L | 5 | 8.4 | 28 |
| Chrysene | ND | ug/L | 5 | 7.0 | 23 |
| Dibenzo[a,h]anthracene | ND | ug/L | 5 | 6.6 | 22 |
| Dibenzofuran | ND | ug/L | 5 | 7.9 | 26 |
| Fluoranthene | ND | ug/L | 5 | 7.2 | 24 |
| Fluorene | [25] | ug/L | 5 | 8.5 | 28 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 5 | 7.7 | 26 |
| 1-Methylnaphthalene | 86 | ug/L | 5 | 8.0 | 27 |
| 2-Methylnaphthalene | 100 | ug/L | 5 | 7.7 | 26 |
| 2-Methylphenol | ND | ug/L | 5 | 5.6 | 21 |
| 3 & 4-Methylphenol | ND | ug/L | 5 | 6.3 | 21 |
| Naphthalene | 55 | ug/L | 5 | 8.3 | 28 |
| Phenanthrene | 31 | ug/L | 5 | 7.1 | 24 |
| Phenol | ND | ug/L | 5 | 2.5 | 8.5 |
| Pyrene | ND | ug/L | 5 | 7.2 | 24 |
| Benzo[e]pyrene | ND | ug/L | 5 | 5.5 | 18 |
| 2-Fluorophenol (SURR**) | 27% | | | | |
| Phenol-d5 (SURR**) | 19% | | | | |
| Nitrobenzene-d5 (SURR**) | 78% | | | | |
| 2-Fluorobiphenyl (SURR**) | 64% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 58% | | | | |
| Terphenyl-d14 (SURR**) | 38% | | | | |

Matrix spike and matrix spike duplicate recoveries could not be quantitated due to a high dilution factor.
All laboratory control spike and laboratory control spike duplicate recoveries were within QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82289**

**Project Description: Xcel Energy-25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:50**

**Sample: 342733** **NSGWDUP4-0604** **Collected: 06/22/04** **Analyzed: 07/05/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [7.7] | ug/L | 5 | 7.5 | 25 |
| Acenaphthylene | 46 | ug/L | 5 | 8.4 | 28 |
| Anthracene | [10] | ug/L | 5 | 6.8 | 23 |
| Benzo[a]anthracene | ND | ug/L | 5 | 6.9 | 23 |
| Benzo[a]pyrene | ND | ug/L | 5 | 6.9 | 23 |
| Benzo[b]fluoranthene | ND | ug/L | 5 | 6.3 | 21 |
| Benzo[g,h,i]perylene | ND | ug/L | 5 | 6.7 | 22 |
| Benzo[k]fluoranthene | ND | ug/L | 5 | 8.4 | 28 |
| Chrysene | ND | ug/L | 5 | 7.0 | 23 |
| Dibenzo[a,h]anthracene | ND | ug/L | 5 | 6.6 | 22 |
| Dibenzofuran | ND | ug/L | 5 | 7.9 | 26 |
| Fluoranthene | ND | ug/L | 5 | 7.2 | 24 |
| Fluorene | 32 | ug/L | 5 | 8.5 | 28 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 5 | 7.7 | 26 |
| 1-Methylnaphthalene | 110 | ug/L | 5 | 8.0 | 27 |
| 2-Methylnaphthalene | 140 | ug/L | 5 | 7.7 | 26 |
| 2-Methylphenol | ND | ug/L | 5 | 5.6 | 21 |
| 3 & 4-Methylphenol | ND | ug/L | 5 | 6.3 | 21 |
| Naphthalene | 86 | ug/L | 5 | 8.3 | 28 |
| Phenanthrene | 42 | ug/L | 5 | 7.1 | 24 |
| Phenol | ND | ug/L | 5 | 2.5 | 8.5 |
| Pyrene | [8.7] | ug/L | 5 | 7.2 | 24 |
| Benzo[e]pyrene | ND | ug/L | 5 | 5.5 | 18 |
| 2-Fluorophenol (SURR**) | 33% | | | | |
| Phenol-d5 (SURR**) | 24% | | | | |
| Nitrobenzene-d5 (SURR**) | 87% | | | | |
| 2-Fluorobiphenyl (SURR**) | 72% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 68% | | | | |
| Terphenyl-d14 (SURR**) | 42% | | | | |

Matrix spike and matrix spike duplicate recoveries could not be quantitated due to a high dilution factor.

All laboratory control spike and laboratory control spike duplicate recoveries were within QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82289**
**Project Description: Xcel Energy-25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:50**

**Sample: 342734** **NSGWMW10-0604** **Collected: 06/22/04** **Analyzed: 07/05/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | [3.1] | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | [4.7] | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 32% | | | | |
| Phenol-d5 (SURR**) | 24% | | | | |
| Nitrobenzene-d5 (SURR**) | 86% | | | | |
| 2-Fluorobiphenyl (SURR**) | 75% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 58% | | | | |
| Terphenyl-d14 (SURR**) | 68% | | | | |

Matrix spike and matrix spike duplicate recoveries could not be quantitated due to a high dilution factor.
All laboratory control spike and laboratory control spike duplicate recoveries were within QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82289**

***Project Description: Xcel Energy-25688375***

**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:50**

**Sample: 342735** **NSGWMW10A-0604** **Collected: 06/22/04** **Analyzed: 07/05/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 35% | | | | |
| Phenol-d5 (SURR**) | 24% | | | | |
| Nitrobenzene-d5 (SURR**) | 88% | | | | |
| 2-Fluorobiphenyl (SURR**) | 78% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 86% | | | | |
| Terphenyl-d14 (SURR**) | 78% | | | | |

Matrix spike and matrix spike duplicate recoveries could not be quantitated due to a high dilution factor.

All laboratory control spike and laboratory control spike duplicate recoveries were within QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82289**
**Project Description: Xcel Energy-25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:50**

**Sample: 342736** **NSGWMW15-0604** **Collected: 06/22/04** **Analyzed: 07/05/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 400 | 600 | 2000 |
| Acenaphthylene | [780] | ug/L | 400 | 670 | 2200 |
| Anthracene | ND | ug/L | 400 | 540 | 1800 |
| Benzo[a]anthracene | ND | ug/L | 400 | 550 | 1800 |
| Benzo[a]pyrene | ND | ug/L | 400 | 550 | 1800 |
| Benzo[b]fluoranthene | ND | ug/L | 400 | 510 | 1700 |
| Benzo[g,h,i]perylene | ND | ug/L | 400 | 540 | 1800 |
| Benzo[k]fluoranthene | ND | ug/L | 400 | 670 | 2200 |
| Chrysene | ND | ug/L | 400 | 560 | 1900 |
| Dibenzo[a,h]anthracene | ND | ug/L | 400 | 530 | 1800 |
| Dibenzofuran | ND | ug/L | 400 | 630 | 2100 |
| Fluoranthene | ND | ug/L | 400 | 570 | 1900 |
| Fluorene | ND | ug/L | 400 | 680 | 2300 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 400 | 620 | 2100 |
| 1-Methylnaphthalene | 2200 | ug/L | 400 | 640 | 2100 |
| 2-Methylnaphthalene | 3900 | ug/L | 400 | 610 | 2100 |
| 2-Methylphenol | [630] | ug/L | 400 | 450 | 1600 |
| 3 & 4-Methylphenol | [1300] | ug/L | 400 | 510 | 1700 |
| Naphthalene | 25000 | ug/L | 400 | 660 | 2200 |
| Phenanthrene | [1400] | ug/L | 400 | 570 | 1900 |
| Phenol | [390] | ug/L | 400 | 200 | 680 |
| Pyrene | [660] | ug/L | 400 | 580 | 1900 |
| Benzo[e]pyrene | ND | ug/L | 400 | 440 | 1500 |
| 2-Fluorophenol (SURR**) | 0% | | | | |
| Phenol-d5 (SURR**) | 45% | | | | |
| Nitrobenzene-d5 (SURR**) | 275% | | | | |
| 2-Fluorobiphenyl (SURR**) | 155% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 196% | | | | |
| Terphenyl-d14 (SURR**) | 101% | | | | |

Matrix spike and matrix spike duplicate recoveries could not be quantitated due to a high dilution factor.
All laboratory control spike and laboratory control spike duplicate recoveries were within QC limits.
Surrogate recoveries could not be quantitated effectively due to sample matrix and a high dilution factor.
Naphthalene result was reported beyond calibration range.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82289**

**Project Description: Xcel Energy-25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:50**

**Sample: 342737** **NSGWMW15A-0604** **Collected: 06/22/04** **Analyzed: 07/05/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 400 | 600 | 2000 |
| Acenaphthylene | [1000] | ug/L | 400 | 670 | 2200 |
| Anthracene | ND | ug/L | 400 | 540 | 1800 |
| Benzo[a]anthracene | ND | ug/L | 400 | 550 | 1800 |
| Benzo[a]pyrene | ND | ug/L | 400 | 550 | 1800 |
| Benzo[b]fluoranthene | ND | ug/L | 400 | 510 | 1700 |
| Benzo[g,h,i]perylene | ND | ug/L | 400 | 540 | 1800 |
| Benzo[k]fluoranthene | ND | ug/L | 400 | 670 | 2200 |
| Chrysene | ND | ug/L | 400 | 560 | 1900 |
| Dibenzo[a,h]anthracene | ND | ug/L | 400 | 530 | 1800 |
| Dibenzofuran | ND | ug/L | 400 | 630 | 2100 |
| Fluoranthene | ND | ug/L | 400 | 570 | 1900 |
| Fluorene | ND | ug/L | 400 | 680 | 2300 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 400 | 620 | 2100 |
| 1-Methylnaphthalene | 2400 | ug/L | 400 | 640 | 2100 |
| 2-Methylnaphthalene | 3700 | ug/L | 400 | 610 | 2100 |
| 2-Methylphenol | [1300] | ug/L | 400 | 450 | 1600 |
| 3 & 4-Methylphenol | 1900 | ug/L | 400 | 510 | 1700 |
| Naphthalene | 15000 | ug/L | 400 | 660 | 2200 |
| Phenanthrene | [680] | ug/L | 400 | 570 | 1900 |
| Phenol | [410] | ug/L | 400 | 200 | 680 |
| Pyrene | ND | ug/L | 400 | 580 | 1900 |
| Benzo[e]pyrene | ND | ug/L | 400 | 440 | 1500 |
| 2-Fluorophenol (SURR**) | 0% | | | | |
| Phenol-d5 (SURR**) | 25% | | | | |
| Nitrobenzene-d5 (SURR**) | 115% | | | | |
| 2-Fluorobiphenyl (SURR**) | 129% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 0% | | | | |
| Terphenyl-d14 (SURR**) | 123% | | | | |

Matrix spike and matrix spike duplicate recoveries could not be quantitated due to a high dilution factor.

All laboratory control spike and laboratory control spike duplicate recoveries were within QC limits.

Surrogate recoveries could not be quantitated effectively due to sample matrix and a high dilution factor.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82289**
**Project Description: Xcel Energy-25688375**
**Project Title:** **Template: 8270WNSP Printed: 07/27/2004 13:50**

**Sample: 342738 NSGWMW15B-0604** **Collected: 06/22/04** **Analyzed: 07/05/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 4 | 6.0 | 20 |
| Acenaphthylene | [8.5] | ug/L | 4 | 6.7 | 22 |
| Anthracene | ND | ug/L | 4 | 5.4 | 18 |
| Benzo[a]anthracene | ND | ug/L | 4 | 5.5 | 18 |
| Benzo[a]pyrene | ND | ug/L | 4 | 5.5 | 18 |
| Benzo[b]fluoranthene | ND | ug/L | 4 | 5.1 | 17 |
| Benzo[g,h,i]perylene | ND | ug/L | 4 | 5.4 | 18 |
| Benzo[k]fluoranthene | ND | ug/L | 4 | 6.7 | 22 |
| Chrysene | ND | ug/L | 4 | 5.6 | 19 |
| Dibenzo[a,h]anthracene | ND | ug/L | 4 | 5.3 | 18 |
| Dibenzofuran | ND | ug/L | 4 | 6.3 | 21 |
| Fluoranthene | ND | ug/L | 4 | 5.7 | 19 |
| Fluorene | ND | ug/L | 4 | 6.8 | 23 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 4 | 6.2 | 21 |
| 1-Methylnaphthalene | [18] | ug/L | 4 | 6.4 | 21 |
| 2-Methylnaphthalene | 24 | ug/L | 4 | 6.1 | 21 |
| 2-Methylphenol | ND | ug/L | 4 | 4.5 | 16 |
| 3 & 4-Methylphenol | ND | ug/L | 4 | 5.1 | 17 |
| Naphthalene | 100 | ug/L | 4 | 6.6 | 22 |
| Phenanthrene | ND | ug/L | 4 | 5.7 | 19 |
| Phenol | ND | ug/L | 4 | 2.0 | 6.8 |
| Pyrene | ND | ug/L | 4 | 5.8 | 19 |
| Benzo[e]pyrene | ND | ug/L | 4 | 4.4 | 15 |
| 2-Fluorophenol (SURR**) | 34% | | | | |
| Phenol-d5 (SURR**) | 23% | | | | |
| Nitrobenzene-d5 (SURR**) | 86% | | | | |
| 2-Fluorobiphenyl (SURR**) | 79% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 81% | | | | |
| Terphenyl-d14 (SURR**) | 74% | | | | |

Matrix spike and matrix spike duplicate recoveries could not be quantitated due to a high dilution factor.
All laboratory control spike and laboratory control spike duplicate recoveries were within QC limits.

** Surrogates are used to evaluate a method's Quality Control.

# ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82289**
**Project Description: Xcel Energy-25688375**
**Project Title:** **Template: SAT2NSP** **Printed: 07/27/2004 13:50**

**Sample: 342731** **NSGWMW21A-0604 MS/MSD** **Collected: 06/22/04** **Analyzed: 06/29/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 16000 | ug/L | 1000 | 120 | 380 |
| sec-Butylbenzene | ND | ug/L | 1000 | 160 | 520 |
| Ethylbenzene | 570 | ug/L | 1000 | 140 | 470 |
| ortho-Xylene | 1600 | ug/L | 1000 | 130 | 440 |
| Styrene | 4400 | ug/L | 1000 | 140 | 470 |
| Toluene | 18000 | ug/L | 1000 | 200 | 770 |
| 1,2,4-Trimethylbenzene | [410] | ug/L | 1000 | 140 | 480 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1000 | 120 | 410 |
| meta,para-Xylene | 3000 | ug/L | 1000 | 260 | 880 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1000 | 210 | 680 |
| *Dibromofluoromethane* (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 111% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 108% | | | | |

**Sample: 342732** **NSGWMW21B-0604** **Collected: 06/22/04** **Analyzed: 06/29/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 51 | ug/L | 10 | 1.2 | 3.8 |
| sec-Butylbenzene | ND | ug/L | 10 | 1.6 | 5.2 |
| Ethylbenzene | [3.4] | ug/L | 10 | 1.4 | 4.7 |
| ortho-Xylene | 11 | ug/L | 10 | 1.3 | 4.4 |
| Styrene | 16 | ug/L | 10 | 1.4 | 4.7 |
| Toluene | 31 | ug/L | 10 | 2.0 | 7.7 |
| 1,2,4-Trimethylbenzene | 17 | ug/L | 10 | 1.4 | 4.8 |
| 1,3,5-Trimethylbenzene | 5.2 | ug/L | 10 | 1.2 | 4.1 |
| meta,para-Xylene | 21 | ug/L | 10 | 2.6 | 8.8 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 10 | 2.1 | 6.8 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 112% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 108% | | | | |

**Sample: 342733** **NSGWDUP4-0604** **Collected: 06/22/04** **Analyzed: 06/29/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 52 | ug/L | 10 | 1.2 | 3.8 |
| sec-Butylbenzene | ND | ug/L | 10 | 1.6 | 5.2 |
| Ethylbenzene | [3.3] | ug/L | 10 | 1.4 | 4.7 |
| ortho-Xylene | 11 | ug/L | 10 | 1.3 | 4.4 |
| Styrene | 16 | ug/L | 10 | 1.4 | 4.7 |
| Toluene | 31 | ug/L | 10 | 2.0 | 7.7 |
| 1,2,4-Trimethylbenzene | 17 | ug/L | 10 | 1.4 | 4.8 |
| 1,3,5-Trimethylbenzene | 5.4 | ug/L | 10 | 1.2 | 4.1 |
| meta,para-Xylene | 20 | ug/L | 10 | 2.6 | 8.8 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 10 | 2.1 | 6.8 |
| Dibromofluoromethane (SURR**) | 104% | | | | |
| Toluene-d8 (SURR**) | 110% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 105% | | | | |

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82289**
**Project Description: Xcel Energy-25688375**
**Project Title:** **Template: SAT2NSP** **Printed: 07/27/2004 13:50**

**Sample: 342734** **NSGWMW10-0604** **Collected: 06/22/04** **Analyzed: 06/29/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 0.49 | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | 0.51 | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | 0.46 | ug/L | 1 | 0.13 | 0.44 |
| Styrene | [0.24] | ug/L | 1 | 0.14 | 0.47 |
| Toluene | 0.91 | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | 0.61 | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | [0.16] | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | [0.56] | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 107% | | | | |
| Toluene-d8 (SURR**) | 113% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 107% | | | | |

**Sample: 342735** **NSGWMW10A-0604** **Collected: 06/22/04** **Analyzed: 06/29/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 0.72 | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | [0.24] | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | 0.62 | ug/L | 1 | 0.13 | 0.44 |
| Styrene | 1.4 | ug/L | 1 | 0.14 | 0.47 |
| Toluene | 2.7 | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | [0.32] | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | 1.2 | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 97% | | | | |
| Toluene-d8 (SURR**) | 107% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 104% | | | | |

**Sample: 342736** **NSGWMW15-0604** **Collected: 06/22/04** **Analyzed: 06/29/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 70000 | ug/L | 5000 | 580 | 1900 |
| sec-Butylbenzene | ND | ug/L | 5000 | 790 | 2600 |
| Ethylbenzene | [1600] | ug/L | 5000 | 710 | 2300 |
| ortho-Xylene | [1400] | ug/L | 5000 | 670 | 2200 |
| Styrene | ND | ug/L | 5000 | 700 | 2300 |
| Toluene | 20000 | ug/L | 5000 | 1000 | 3900 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 5000 | 720 | 2400 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 5000 | 610 | 2000 |
| meta,para-Xylene | [3000] | ug/L | 5000 | 1300 | 4400 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 5000 | 1000 | 3400 |
| Dibromofluoromethane (SURR**) | 92% | | | | |
| Toluene-d8 (SURR**) | 100% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 98% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82289**

**Project Description: Xcel Energy-25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 07/27/2004 13:50**

**Sample: 342737** **NSGWMW15A-0604** **Collected: 06/22/04** **Analyzed: 06/29/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 46000 | ug/L | 5000 | 580 | 1900 |
| sec-Butylbenzene | ND | ug/L | 5000 | 790 | 2600 |
| Ethylbenzene | ND | ug/L | 5000 | 710 | 2300 |
| ortho-Xylene | [1100] | ug/L | 5000 | 670 | 2200 |
| Styrene | 2600 | ug/L | 5000 | 700 | 2300 |
| Toluene | 19000 | ug/L | 5000 | 1000 | 3900 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 5000 | 720 | 2400 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 5000 | 610 | 2000 |
| meta,para-Xylene | [2400] | ug/L | 5000 | 1300 | 4400 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 5000 | 1000 | 3400 |
| Dibromofluoromethane (SURR**) | 98% | | | | |
| Toluene-d8 (SURR**) | 102% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

**Sample: 342738** **NSGWMW15B-0604** **Collected: 06/22/04** **Analyzed: 06/29/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 230 | ug/L | 20 | 2.3 | 7.7 |
| sec-Butylbenzene | ND | ug/L | 20 | 3.1 | 10 |
| Ethylbenzene | [7.0] | ug/L | 20 | 2.8 | 9.4 |
| ortho-Xylene | 19 | ug/L | 20 | 2.7 | 8.9 |
| Styrene | 40 | ug/L | 20 | 2.8 | 9.4 |
| Toluene | 180 | ug/L | 20 | 4.1 | 15 |
| 1,2,4-Trimethylbenzene | [7.0] | ug/L | 20 | 2.9 | 9.6 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 20 | 2.4 | 8.1 |
| meta,para-Xylene | 37 | ug/L | 20 | 5.2 | 18 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 20 | 4.1 | 14 |
| Dibromofluoromethane (SURR**) | 98% | | | | |
| Toluene-d8 (SURR**) | 105% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

**Sample: 342739** **Trip Blank** **Collected: 06/22/04** **Analyzed: 06/29/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | [0.67] | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 93% | | | | |
| Toluene-d8 (SURR**) | 101% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

Customer: URS Corporation (Milwaukee) NLS Project: 82289

Project Description: Xcel Energy-25688375

Project Title: Template: SAT2NSP Printed: 07/27/2004 13:50

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Ben Nelson**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 82342**
**NLS Customer: 91206**

**Fax: 414 831 4101 Phone: 414 831 4100**

**Project:** **Xcel Energy/25688375**

***NSGWMW07B-0604 NLS ID: 342949***
Ref. Line 1 COC 69753 NSGWMW07B-0604 Matrix: GW
Collected: 06/23/04 12:45 Received: 06/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 4.9 | mg/L | 1 | 0.0042 | 0.015 | 07/07/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.010] | mg/L | 1 | 0.0042 | 0.015 | 07/07/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/21/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/21/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 07/20/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [2.6] | ug/L | 1 | 2.6 | 9.0 | 07/20/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 88 | ug/L | 1 | 2.5* | 5.0 | 07/07/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 58 | ug/L | 1 | 2.5* | 5.0 | 07/07/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/07/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/07/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/07/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/07/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 22 | mg/L | 1 | 0.15* | 0.30 | 07/07/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 22 | mg/L | 1 | 0.15* | 0.30 | 07/07/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 06/24/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 5.8 | ug/L | 1 | 3.6* | | 07/08/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 5.8 | ug/L | 1 | 0.51 | 1.8 | 07/07/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.70] | ug/L | 1 | 0.51 | 1.8 | 07/07/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | [1.9] | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 8.9 | ug/L | 1 | 1.3 | 4.0 | 07/07/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | [1.3] | ug/L | 1 | 1.3 | 4.0 | 07/07/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 06/29/04 | EPA 335.4 | 721026460 |
| | Matrix spike and matrix spike duplicate percent difference associated with this distillation batch exceeded control limits due to sample matrix. All other quality control checks were within QC limits. | | | | | | | |
| Iron, tot. as Fe by ICP-Trace | 3.2 | mg/L | 1 | 0.033 | 0.10 | 07/07/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 07/07/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | [2.6] | ug/L | 1 | 0.87 | 3.0 | 07/07/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 07/07/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 9.2 | mg/L | 1 | 0.15* | 0.30 | 07/07/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 7.6 | mg/L | 1 | 0.15* | 0.30 | 07/07/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 130 | ug/L | 1 | 1.0* | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 68 | ug/L | 1 | 1.0* | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/28/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/28/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 4.9 | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [0.79] | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 3.3 | mg/L | 1 | 0.53 | 1.9 | 07/09/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 5.1 | mg/L | 1 | 0.53 | 1.9 | 07/09/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/16/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/16/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 16 | mg/L | 1 | 0.012 | 0.044 | 07/09/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 15 | mg/L | 1 | 0.012 | 0.044 | 07/09/04 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
*Analytical Laboratory and Environmental Services*
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
*WDATCP Laboratory Certification No. 105-330*
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82342
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Energy/25688375

**NSGWMW07B-0604 NLS ID: 342949**
Ref. Line 1 COC 69753 NSGWMW07B-0604 Matrix: GW
Collected: 06/23/04 12:45 Received: 06/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/21/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/21/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 8.4 | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [0.72] | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 13 | ug/L | 1 | 5.0* | 10 | 07/07/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | 10 | ug/L | 1 | 5.0* | 10 | 07/07/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/28/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/28/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/30/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/28/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 07/05/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/28/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 07/09/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 82342
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel Energy/25688375

**NSGWMW07R-0604 NLS ID: 342950**
Ref. Line 2 COC 69753 NSGWMW07R-0604 Matrix: GW
Collected: 06/23/04 12:50 Received: 06/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 33 | mg/L | 1 | 0.0042 | 0.015 | 07/07/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 07/07/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/21/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/21/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [4.2] | ug/L | 1 | 2.6 | 9.0 | 07/20/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [8.1] | ug/L | 1 | 2.6 | 9.0 | 07/20/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 1000 | ug/L | 1 | 2.5* | 5.0 | 07/07/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 460 | ug/L | 1 | 2.5* | 5.0 | 07/07/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 2 | 0.34 | 1.0 | 07/08/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/07/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/07/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/07/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 92 | mg/L | 1 | 0.15* | 0.30 | 07/07/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 75 | mg/L | 1 | 0.15* | 0.30 | 07/07/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 18 | ug/L | 1 | 3.6* | | 06/24/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 23 | ug/L | 1 | 3.6* | | 07/08/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 41 | ug/L | 1 | 0.51 | 1.8 | 07/07/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 07/07/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 17 | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 62 | ug/L | 1 | 1.3 | 4.0 | 07/07/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 07/07/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.012] | mg/L | 1 | 0.0050 | 0.015 | 06/29/04 | EPA 335.4 | 721026460 |
| | Matrix spike and matrix spike duplicate percent difference associated with this distillation batch exceeded control limits due to sample matrix. All other quality control checks were within QC limits. | | | | | | | |
| Iron, tot. as Fe by ICP-Trace | 29 | mg/L | 1 | 0.033 | 0.10 | 07/07/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | [0.039] | mg/L | 1 | 0.033 | 0.10 | 07/07/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 56 | ug/L | 1 | 0.87 | 3.0 | 07/07/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [1.6] | ug/L | 1 | 0.87 | 3.0 | 07/07/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 56 | mg/L | 1 | 0.15* | 0.30 | 07/07/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 38 | mg/L | 1 | 0.15* | 0.30 | 07/07/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 640 | ug/L | 1 | 1.0* | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 420 | ug/L | 1 | 1.0* | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/28/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | 0.14 | ug/L | 1 | 0.025 | 0.050 | 06/28/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 38 | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [0.70] | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 6.0 | mg/L | 1 | 0.53 | 1.9 | 07/09/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 13 | mg/L | 1 | 0.53 | 1.9 | 07/09/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/16/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/16/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 36 | mg/L | 1 | 0.012 | 0.044 | 07/09/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 32 | mg/L | 1 | 0.012 | 0.044 | 07/09/04 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82342
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Energy/25688375

**NSGWMW07R-0604 NLS ID: 342950**
Ref. Line 2 COC 69753 NSGWMW07R-0604 Matrix: GW
Collected: 06/23/04 12:50 Received: 06/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/21/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/21/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 63 | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 2.9 | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 200 | ug/L | 1 | 5.0* | 10 | 07/07/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 07/07/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/28/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/28/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/30/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/28/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 07/05/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/28/04 | SW846 3510 | 721026460 |
| Sem volatile GC/MS by 8270C | see attached | | | | | 07/09/04 | SW846 8270C | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Ben Nelson**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 82342**
**NLS Customer: 91206**

**Fax: 414 831 4101 Phone: 414 831 4100**

**Project:** **Xcel Energy/25688375**

**NSGWMW07A-0604 NLS ID: 342951**
Ref. Line 3 COC 69753 NSGWMW07A-0604 Matrix: GW
Collected: 06/23/04 13:15 Received: 06/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.29 | mg/L | 1 | 0.0042 | 0.015 | 07/07/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0050] | mg/L | 1 | 0.0042 | 0.015 | 07/07/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/21/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | 16 | ug/L | 1 | 3.2 | 11 | 07/21/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [4.8] | ug/L | 1 | 2.6 | 9.0 | 07/20/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [3.2] | ug/L | 1 | 2.6 | 9.0 | 07/20/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 350 | ug/L | 1 | 2.5* | 5.0 | 07/07/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 340 | ug/L | 1 | 2.5* | 5.0 | 07/07/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/07/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/07/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/07/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/07/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 49 | mg/L | 1 | 0.15* | 0.30 | 07/07/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 49 | mg/L | 1 | 0.15* | 0.30 | 07/07/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 06/24/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 07/08/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [0.92] | ug/L | 1 | 0.51 | 1.8 | 07/07/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 07/07/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 07/07/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 07/07/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.014] | mg/L | 1 | 0.0050 | 0.015 | 06/29/04 | EPA 335.4 | 721026460 |
| | MMatrix spike and matrix spike duplicate percent difference associated with this distillation batch exceeded control limits due to sample matrix. All other quality control checks were within QC limits. | | | | | | | |
| Iron, tot. as Fe by ICP-Trace | 0.32 | mg/L | 1 | 0.033 | 0.10 | 07/07/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | [0.096] | mg/L | 1 | 0.033 | 0.10 | 07/07/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | [1.4] | ug/L | 1 | 0.87 | 3.0 | 07/07/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 07/07/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 20 | mg/L | 1 | 0.15* | 0.30 | 07/07/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 21 | mg/L | 1 | 0.15* | 0.30 | 07/07/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 73 | ug/L | 1 | 1.0* | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 69 | ug/L | 1 | 1.0* | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/28/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/28/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.8 | mg/L | 1 | 0.53 | 1.9 | 07/09/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 4.8 | mg/L | 1 | 0.53 | 1.9 | 07/09/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/16/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/16/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 22 | mg/L | 1 | 0.012 | 0.044 | 07/09/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 23 | mg/L | 1 | 0.012 | 0.044 | 07/09/04 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82342
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Energy/25688375

**NSGWMW07A-0604 NLS ID: 34295 L**
Ref. Line 3 COC 69753 NSGWMW07A-0604 Matrix: GW
Collected: 06/23/04 13:15 Received: 06/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/21/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/21/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 07/07/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 07/07/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/28/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/28/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/30/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/28/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 07/05/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/28/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 07/09/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 82342
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel Energy/25688375

**NSGWDUP5-0604 NLS ID: 342952**
Ref. Line 4 COC 69753 NSGWDUP5-0604 Matrix: GW
Collected: 06/23/04 13:30 Received: 06/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.24 | mg/L | 1 | 0.0042 | 0.015 | 07/07/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 07/07/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/21/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/21/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [3.6] | ug/L | 1 | 2.6 | 9.0 | 07/20/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [2.9] | ug/L | 1 | 2.6 | 9.0 | 07/20/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 350 | ug/L | 1 | 2.5* | 5.0 | 07/07/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 340 | ug/L | 1 | 2.5* | 5.0 | 07/07/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/07/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/07/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/07/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | [0.20] | ug/L | 1 | 0.17 | 0.50 | 07/07/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 48 | mg/L | 1 | 0.15* | 0.30 | 07/07/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 50 | mg/L | 1 | 0.15* | 0.30 | 07/07/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 4.7 | ug/L | 1 | 3.6* | | 06/24/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | | | 3.6* | | 07/08/04 | Calc. | 721026460 |
| | No reportable result due to hexavalent chromium value exceeding total chromium value. | | | | | | | |
| Chromium, tot. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 07/07/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 07/07/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 07/07/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 07/07/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.014] | mg/L | 1 | 0.0050 | 0.015 | 06/29/04 | EPA 335.4 | 721026460 |
| | Matrix spike and matrix spike duplicate percent difference associated with this distillation batch exceeded control limits due to sample matrix. All other quality control checks were within QC limits. | | | | | | | |
| Iron, tot. as Fe by ICP-Trace | 0.28 | mg/L | 1 | 0.033 | 0.10 | 07/07/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | [0.10] | mg/L | 1 | 0.033 | 0.10 | 07/07/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 3.5 | ug/L | 1 | 0.87 | 3.0 | 07/07/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [1.2] | ug/L | 1 | 0.87 | 3.0 | 07/07/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 20 | mg/L | 1 | 0.15* | 0.30 | 07/07/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 21 | mg/L | 1 | 0.15* | 0.30 | 07/07/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 71 | ug/L | 1 | 1.0* | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 69 | ug/L | 1 | 1.0* | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/28/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/28/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [0.78] | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.8 | mg/L | 1 | 0.53 | 1.9 | 07/09/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 4.7 | mg/L | 1 | 0.53 | 1.9 | 07/09/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/16/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/16/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 22 | mg/L | 1 | 0.012 | 0.044 | 07/09/04 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82342
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Energy/25688375

**NSGWDUP5-0604 NLS ID: 342952**
Ref. Line 4 COC 69753 NSGWDUP5-0604 Matrix: GW
Collected: 06/23/04 13:30 Received: 06/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Sodium, tot. as Na | 22 | mg/L | 1 | 0.012 | 0.044 | 07/09/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/21/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/21/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 07/07/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 07/07/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/28/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/28/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/30/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/28/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 07/05/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/28/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 07/09/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 82342
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
*10200 West Innovation Drive #500*
Milwaukee,WI 53226 4827

Project: Xcel Energy/25688375

**NSGWMW02ANET-0604 NLS ID: 342953**
Ref. Line 5 COC 69753 NSGWMW02ANET-0604 Matrix: GW
Collected: 06/23/04 14:00 Received: 06/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.37 | mg/L | 1 | 0.0042 | 0.015 | 07/07/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 07/07/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/21/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/21/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [3.6] | ug/L | 1 | 2.6 | 9.0 | 07/20/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [4.0] | ug/L | 1 | 2.6 | 9.0 | 07/20/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 94 | ug/L | 1 | 2.5* | 5.0 | 07/07/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 90 | ug/L | 1 | 2.5* | 5.0 | 07/07/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/07/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/07/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/07/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/07/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 18 | mg/L | 1 | 0.15* | 0.30 | 07/07/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 18 | mg/L | 1 | 0.15* | 0.30 | 07/07/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 06/24/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 07/08/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [0.96] | ug/L | 1 | 0.51 | 1.8 | 07/07/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.58] | ug/L | 1 | 0.51 | 1.8 | 07/07/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 07/07/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 07/07/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 06/29/04 | EPA 335.4 | 721026460 |
| | Matrix spike and matrix spike duplicate percent difference associated with this distillation batch exceeded control limits due to sample matrix. All other quality control checks were within QC limits. | | | | | | | |
| Iron, tot. as Fe by ICP-Trace | 0.30 | mg/L | 1 | 0.033 | 0.10 | 07/07/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 07/07/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | [1.2] | ug/L | 1 | 0.87 | 3.0 | 07/07/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 07/07/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 7.0 | mg/L | 1 | 0.15* | 0.30 | 07/07/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 7.0 | mg/L | 1 | 0.15* | 0.30 | 07/07/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 22 | ug/L | 1 | 1.0* | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 17 | ug/L | 1 | 1.0* | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/28/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/28/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 3.8 | mg/L | 1 | 0.53 | 1.9 | 07/09/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 3.8 | mg/L | 1 | 0.53 | 1.9 | 07/09/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/16/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/16/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 15 | mg/L | 1 | 0.012 | 0.044 | 07/09/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 15 | mg/L | 1 | 0.012 | 0.044 | 07/09/04 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82342
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Energy/25688375

**NSGWMW02ANET-0604 NLS ID: 342953**
Ref. Line 5 COC 69753 NSGWMW02ANET-0604 Matrix: GW
Collected: 06/23/04 14:00 Received: 06/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/21/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/21/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | [1.2] | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 07/07/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 07/07/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/28/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/28/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/30/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/28/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 07/05/04 | SW846 8260 | 721026460 |
| *Base/Neutral/Acid Extraction* by 3510C | yes | | | | | 06/28/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 07/09/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 82342
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel Energy/25688375

**NSGWMW02BNET-0604 NLS ID: 342954**
Ref. Line 6 COC 69753 NSGWMW02BNET-0604 Matrix: GW
Collected: 06/23/04 14:15 Received: 06/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.72 | mg/L | 1 | 0.0042 | 0.015 | 07/07/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0070] | mg/L | 1 | 0.0042 | 0.015 | 07/07/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/21/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/21/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [3.4] | ug/L | 1 | 2.6 | 9.0 | 07/20/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 07/20/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 820 | ug/L | 1 | 2.5* | 5.0 | 07/07/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 800 | ug/L | 1 | 2.5* | 5.0 | 07/07/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/07/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/07/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/07/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/07/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 66 | mg/L | 1 | 0.15* | 0.30 | 07/07/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 66 | mg/L | 1 | 0.15* | 0.30 | 07/07/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 4.7 | ug/L | 1 | 3.6* | | 06/24/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | | | 3.6* | | 07/08/04 | Calc. | 721026460 |
| | No reportable result due to hexavalent chromium value exceeding total chromium value. | | | | | | | |
| Chromium, tot. as Cr by ICP-Trace | [1.7] | ug/L | 1 | 0.51 | 1.8 | 07/07/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 07/07/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | [2.3] | ug/L | 1 | 1.3 | 4.0 | 07/07/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 07/07/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.0080] | mg/L | 1 | 0.0050 | 0.015 | 06/29/04 | EPA 335.4 | 721026460 |
| | Matrix spike and matrix spike duplicate percent difference associated with this distillation batch exceeded control limits due to sample matrix. All other quality control checks were within QC limits. | | | | | | | |
| Iron, tot. as Fe by ICP-Trace | 1.2 | mg/L | 1 | 0.033 | 0.10 | 07/07/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 0.18 | mg/L | 1 | 0.033 | 0.10 | 07/07/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | [2.3] | ug/L | 1 | 0.87 | 3.0 | 07/07/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 07/07/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 32 | mg/L | 1 | 0.15* | 0.30 | 07/07/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 32 | mg/L | 1 | 0.15* | 0.30 | 07/07/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 120 | ug/L | 1 | 1.0* | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 110 | ug/L | 1 | 1.0* | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/28/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/28/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | [1.1] | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 6.8 | mg/L | 1 | 0.53 | 1.9 | 07/09/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 7.1 | mg/L | 1 | 0.53 | 1.9 | 07/09/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/16/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/16/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 25 | mg/L | 1 | 0.012 | 0.044 | 07/09/04 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 82342
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Energy/25688375

**NSGWMW02BNET-0604 NLS ID: 342954**
Ref. Line 6 COC 69753 NSGWMW02BNET-0604 Matrix: GW
Collected: 06/23/04 14:15 Received: 06/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Sodium, tot. as Na | 25 | mg/L | 1 | 0.012 | 0.044 | 07/09/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/21/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/21/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | [1.3] | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | [7.4] | ug/L | 1 | 5.0* | 10 | 07/07/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 07/07/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/28/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/28/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/30/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/28/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 07/05/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/28/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 07/09/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82342
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Energy/25688375

**NSGWMW02NET-0604 NLS ID: 342955**
Ref. Line 7 COC 69753 NSGWMW02NET-0604 Matrix: GW
Collected: 06/23/04 14:30 Received: 06/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 7.0 | mg/L | 1 | 0.0042 | 0.015 | 07/07/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | 0.066 | mg/L | 1 | 0.0042 | 0.015 | 07/07/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/21/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/21/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [3.9] | ug/L | 1 | 2.6 | 9.0 | 07/20/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [3.8] | ug/L | 1 | 2.6 | 9.0 | 07/20/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 140 | ug/L | 1 | 2.5* | 5.0 | 07/07/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 68 | ug/L | 1 | 2.5* | 5.0 | 07/07/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/07/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/07/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/07/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/07/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 52 | mg/L | 1 | 0.15* | 0.30 | 07/07/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 47 | mg/L | 1 | 0.15* | 0.30 | 07/07/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 15 | ug/L | 1 | 3.6* | | 06/24/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 57 | ug/L | 1 | 3.6* | | 07/08/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 72 | ug/L | 1 | 0.51 | 1.8 | 07/07/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | 1.9 | ug/L | 1 | 0.51 | 1.8 | 07/07/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 3.6 | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 52 | ug/L | 1 | 1.3 | 4.0 | 07/07/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | [1.4] | ug/L | 1 | 1.3 | 4.0 | 07/07/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.0070] | mg/L | 1 | 0.0050 | 0.015 | 06/29/04 | EPA 335.4 | 721026460 |
| | Matrix spike and matrix spike duplicate percent difference associated with this distillation batch exceeded control limits due to sample matrix. All other quality control checks were within QC limits. | | | | | | | |
| Iron, tot. as Fe by ICP-Trace | 11 | mg/L | 1 | 0.033 | 0.10 | 07/07/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 3.0 | mg/L | 1 | 0.033 | 0.10 | 07/07/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 18 | ug/L | 1 | 0.87 | 3.0 | 07/07/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 07/07/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 13 | mg/L | 1 | 0.15* | 0.30 | 07/07/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 11 | mg/L | 1 | 0.15* | 0.30 | 07/07/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 280 | ug/L | 1 | 1.0* | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 170 | ug/L | 1 | 1.0* | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/28/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/28/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 19 | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 3.4 | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 3.4 | mg/L | 1 | 0.53 | 1.9 | 07/09/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 5.4 | mg/L | 1 | 0.53 | 1.9 | 07/09/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/16/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | [2.4] | ug/L | 1 | 1.6 | 5.5 | 07/16/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 110 | mg/L | 1 | 0.012 | 0.044 | 07/09/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 120 | mg/L | 1 | 0.012 | 0.044 | 07/09/04 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82342
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Energy/25688375

**NSGWMW02NET-0604 NLS ID: 342955**
Ref. Line 7 COC 69753 NSGWMW02NET-0604 Matrix: GW
Collected: 06/23/04 14:30 Received: 06/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/21/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/21/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 16 | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 2.3 | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 260 | ug/L | 1 | 5.0* | 10 | 07/07/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | 16 | ug/L | 1 | 5.0* | 10 | 07/07/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/28/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/28/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/30/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/28/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 07/05/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/28/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 07/09/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 82342
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel Energy/25688375

**NSGWMW24A-0604 NLS ID: 342956**
Ref. Line 8 COC 69753 NSGWMW24A-0604 Matrix: GW
Collected: 06/23/04 14:40 Received: 06/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 1.7 | mg/L | 1 | 0.0042 | 0.015 | 07/07/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0050] | mg/L | 1 | 0.0042 | 0.015 | 07/07/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/21/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/21/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [3.5] | ug/L | 1 | 2.6 | 9.0 | 07/20/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [4.1] | ug/L | 1 | 2.6 | 9.0 | 07/20/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 94 | ug/L | 1 | 2.5* | 5.0 | 07/07/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 80 | ug/L | 1 | 2.5* | 5.0 | 07/07/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/07/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/07/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/07/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/07/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 14 | mg/L | 1 | 0.15* | 0.30 | 07/07/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 13 | mg/L | 1 | 0.15* | 0.30 | 07/07/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 06/24/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 07/08/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 2.3 | ug/L | 1 | 0.51 | 1.8 | 07/07/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 07/07/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | [2.8] | ug/L | 1 | 1.3 | 4.0 | 07/07/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 07/07/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 06/29/04 | EPA 335.4 | 721026460 |
| | Matrix spike and matrix spike duplicate percent difference associated with this distillation batch exceeded control limits due to sample matrix. All other quality control checks were within QC limits. | | | | | | | |
| Iron, tot. as Fe by ICP-Trace | 1.2 | mg/L | 1 | 0.033 | 0.10 | 07/07/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 07/07/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | [1.1] | ug/L | 1 | 0.87 | 3.0 | 07/07/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 07/07/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 5.2 | mg/L | 1 | 0.15* | 0.30 | 07/07/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 4.5 | mg/L | 1 | 0.15* | 0.30 | 07/07/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 45 | ug/L | 1 | 1.0* | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 17 | ug/L | 1 | 1.0* | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/28/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/28/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | [1.8] | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 3.6 | mg/L | 1 | 0.53 | 1.9 | 07/09/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 4.1 | mg/L | 1 | 0.53 | 1.9 | 07/09/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/16/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/16/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 17 | mg/L | 1 | 0.012 | 0.044 | 07/09/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 17 | mg/L | 1 | 0.012 | 0.044 | 07/09/04 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82342
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Energy/25688375

**NSGWMW24A-0604 NLS ID: 342956**
Ref. Line 8 COC 69753 NSGWMW24A-0604 Matrix: GW
Collected: 06/23/04 14:40 Received: 06/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/21/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/21/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 3.4 | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | [7.1] | ug/L | 1 | 5.0* | 10 | 07/07/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 07/07/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/28/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/28/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/30/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/28/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 07/05/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/28/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 07/09/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 82342
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel Energy/25688375

**NSGWMW24, MS/MSD-0604 NLS ID: 342957**
Ref. Line 9 COC 69753 NSGWMW24, MS/MSD-0604 Matrix: GW
Collected: 06/23/04 14:55 Received: 06/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 54 | mg/L | 1 | 0.0042 | 0.015 | 07/07/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.010] | mg/L | 1 | 0.0042 | 0.015 | 07/07/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/21/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 2 | 6.4 | 23 | 07/21/04 | SW846 7041 | 721026460 |
| Matrix spike and spike duplicate recoveries for this sample where outside of the NLS in-house control limits at 44% and 41.1% respectively. Problem attributed to sample matrix. | | | | | | | | |
| Arsenic, dis. as As by furnace AAS | [3.7] | ug/L | 1 | 2.6 | 9.0 | 07/20/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [17] | ug/L | 4 | 10 | 36 | 07/20/04 | SW846 7060 | 721026460 |
| Sample required a dilution to correct a negative interference encountered during analysis. | | | | | | | | |
| Barium, tot. as Ba by ICP-Trace | 590 | ug/L | 1 | 2.5* | 5.0 | 07/07/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 250 | ug/L | 1 | 2.5* | 5.0 | 07/07/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 20 | 3.4 | 10 | 07/09/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/07/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/07/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/07/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 130 | mg/L | 1 | 0.15* | 0.30 | 07/07/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 92 | mg/L | 1 | 0.15* | 0.30 | 07/07/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 7.3 | ug/L | 1 | 3.6* | | 06/24/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 70 | ug/L | 1 | 3.6* | | 07/08/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 77 | ug/L | 1 | 0.51 | 1.8 | 07/07/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 07/07/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 51 | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | 7.2 | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 120 | ug/L | 1 | 1.3 | 4.0 | 07/07/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 07/07/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 07/01/04 | EPA 335.4 | 721026460 |
| LCS was outside QC limits at 86%. Method specifies that LCS should be 90-110%. All other spikes and calibration check standards were within QC limits. | | | | | | | | |
| Iron, tot. as Fe by ICP-Trace | 49 | mg/L | 1 | 0.033 | 0.10 | 07/07/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 2.3 | mg/L | 1 | 0.033 | 0.10 | 07/07/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 97 | ug/L | 1 | 0.87 | 3.0 | 07/07/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 07/07/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 54 | mg/L | 1 | 0.15* | 0.30 | 07/07/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 27 | mg/L | 1 | 0.15* | 0.30 | 07/07/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 3100 | ug/L | 1 | 1.0* | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 2200 | ug/L | 1 | 1.0* | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/28/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | 0.067 | ug/L | 1 | 0.025 | 0.050 | 06/28/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 80 | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 2.2 | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 5.9 | mg/L | 1 | 0.53 | 1.9 | 07/09/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 16 | mg/L | 1 | 0.53 | 1.9 | 07/09/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/16/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/16/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |

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400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82342
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Energy/25688375

**NSGWMW24, MS/MSD-0604 NLS ID: 342957**
Ref. Line 9 COC 69753 NSGWMW24, MS/MSD-0604 Matrix: GW
Collected: 06/23/04 14:55 Received: 06/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 49 | mg/L | 1 | 0.012 | 0.044 | 07/09/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 48 | mg/L | 1 | 0.012 | 0.044 | 07/09/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/21/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/21/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 220 | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [1.3] | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 230 | ug/L | 1 | 5.0* | 10 | 07/07/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 07/07/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/28/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/28/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/30/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/28/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 07/05/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/28/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 07/09/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82342
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Energy/25688375

**NSGWMW25-0604 NLS ID: 342958**
Ref. Line 1 COC 69754 NSGWMW25-0604 Matrix: GW
Collected: 06/23/04 15:10 Received: 06/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 18 | mg/L | 1 | 0.0042 | 0.015 | 07/07/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | 0.018 | mg/L | 1 | 0.0042 | 0.015 | 07/07/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 2 | 6.4 | 23 | 07/21/04 | SW846 7041 | 721026460 |
| | Sample required a dilution to overcome negative interference encountered during analysis. | | | | | | | |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/21/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [3.9] | ug/L | 1 | 2.6 | 9.0 | 07/20/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [6.0] | ug/L | 1 | 2.6 | 9.0 | 07/20/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 360 | ug/L | 1 | 2.5* | 5.0 | 07/07/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 180 | ug/L | 1 | 2.5* | 5.0 | 07/07/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 2 | 0.34 | 1.0 | 07/08/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/07/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/07/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/07/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 68 | mg/L | 1 | 0.15* | 0.30 | 07/07/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 60 | mg/L | 1 | 0.15* | 0.30 | 07/07/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 8.6 | ug/L | 1 | 3.6* | | 06/24/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 16 | ug/L | 1 | 3.6* | | 07/08/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 24 | ug/L | 1 | 0.51 | 1.8 | 07/07/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 07/07/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 15 | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | 3.6 | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 38 | ug/L | 1 | 1.3 | 4.0 | 07/07/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | [1.6] | ug/L | 1 | 1.3 | 4.0 | 07/07/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 06/29/04 | EPA 335.4 | 721026460 |
| | Matrix spike and matrix spike duplicate percent difference associated with this distillation batch exceeded control limits due to sample matrix. All other quality control checks were within QC limits. | | | | | | | |
| Iron, tot. as Fe by ICP-Trace | 17 | mg/L | 1 | 0.033 | 0.10 | 07/07/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 1.3 | mg/L | 1 | 0.033 | 0.10 | 07/07/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 120 | ug/L | 1 | 0.87 | 3.0 | 07/07/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [1.0] | ug/L | 1 | 0.87 | 3.0 | 07/07/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 25 | mg/L | 1 | 0.15* | 0.30 | 07/07/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 17 | mg/L | 1 | 0.15* | 0.30 | 07/07/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 1500 | ug/L | 1 | 1.0* | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 1200 | ug/L | 1 | 1.0* | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/28/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | [0.033] | ug/L | 1 | 0.025 | 0.050 | 06/28/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 25 | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.8] | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.4 | mg/L | 1 | 0.53 | 1.9 | 07/09/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 9.0 | mg/L | 1 | 0.53 | 1.9 | 07/09/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/16/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/16/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 83 | mg/L | 1 | 0.012 | 0.044 | 07/09/04 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82342
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Energy/25688375

**NSGWMW25-0604 NLS ID: 342958**
Ref. Line 1 COC 69754 NSGWMW25-0604 Matrix: GW
Collected: 06/23/04 15:10 Received: 06/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Sodium, tot. as Na | 82 | mg/L | 1 | 0.012 | 0.044 | 07/09/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/21/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/21/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 51 | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [1.2] | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 120 | ug/L | 1 | 5.0* | 10 | 07/07/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 07/07/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/28/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/28/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/30/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/28/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 07/05/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/28/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 07/09/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel Energy/25688375

NLS Project: 82342
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**NSGWMW25A-0604 NLS ID: 342959**
Ref. Line 2 COC 69754 NSGWMW25A-0604 Matrix: GW
Collected: 06/23/04 15:15 Received: 06/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.95 | mg/L | 1 | 0.0042 | 0.015 | 07/07/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 2 | 0.0084 | 0.030 | 07/07/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/21/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/21/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [3.1] | ug/L | 1 | 2.6 | 9.0 | 07/20/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 07/20/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 84 | ug/L | 1 | 2.5* | 5.0 | 07/07/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 77 | ug/L | 2 | 5.0* | 10 | 07/07/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/07/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 2 | 0.34 | 1.0 | 07/07/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/07/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 2 | 0.34 | 1.0 | 07/07/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 16 | mg/L | 1 | 0.15* | 0.30 | 07/07/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 16 | mg/L | 2 | 0.30* | 0.60 | 07/07/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 06/24/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 07/08/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [1.2] | ug/L | 1 | 0.51 | 1.8 | 07/07/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 2 | 1.0 | 3.6 | 07/07/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 2 | 1.3 | 4.0 | 07/07/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | [1.8] | ug/L | 1 | 1.3 | 4.0 | 07/07/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 2 | 2.7 | 8.0 | 07/07/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 06/29/04 | EPA 335.4 | 721026460 |
| | Matrix spike and matrix spike duplicate percent difference associated with this distillation batch exceeded control limits due to sample matrix. All other quality control checks were within QC limits. | | | | | | | |
| Iron, tot. as Fe by ICP-Trace | 0.59 | mg/L | 1 | 0.033 | 0.10 | 07/07/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 2 | 0.066 | 0.20 | 07/07/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | [2.5] | ug/L | 1 | 0.87 | 3.0 | 07/07/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 2 | 1.7 | 6.0 | 07/07/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 5.9 | mg/L | 1 | 0.15* | 0.30 | 07/07/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 5.7 | mg/L | 2 | 0.30* | 0.60 | 07/07/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 33 | ug/L | 1 | 1.0* | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 23 | ug/L | 2 | 2.0* | 4.0 | 07/07/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/28/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/28/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | [0.72] | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 2 | 1.3 | 4.0 | 07/07/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 5.5 | mg/L | 1 | 0.53 | 1.9 | 07/09/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 5.2 | mg/L | 1 | 0.53 | 1.9 | 07/09/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | [1.6] | ug/L | 1 | 1.6 | 5.5 | 07/16/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/16/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 2 | 1.3 | 4.0 | 07/07/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 20 | mg/L | 1 | 0.012 | 0.044 | 07/09/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 19 | mg/L | 1 | 0.012 | 0.044 | 07/09/04 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82342
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Energy/25688375

**NSGWMW25A-0604 NLS ID: 342959**
Ref. Line 2 COC 69754 NSGWMW25A-0604 Matrix: GW
Collected: 06/23/04 15:15 Received: 06/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/21/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/21/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 2.0 | ug/L | 1 | 0.67 | 2.0 | 07/07/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 2 | 1.3 | 4.0 | 07/07/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | [5.3] | ug/L | 1 | 5.0* | 10 | 07/07/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 2 | 10* | 20 | 07/07/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/28/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/28/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/30/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/28/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 07/05/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/28/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 07/09/04 | SW846 8270C | 721026460 |

**Trip Blank NLS ID: 342960**
Ref. Line 3 COC 69754 Trip Blank Matrix TB
Collected: 06/23/04 00:00 Received: 06/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 07/05/04 | SW846 8260 | 721026460 |

*Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation" LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.*

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82342**

**Project Description: Xcel Energy/25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:49**

**Sample: 342949** **NSGWMW07B-0604** **Collected: 06/23/04** **Analyzed: 07/09/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 8.3 | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | [2.1] | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | [2.3] | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | [4.0] | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | 12 | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | 11 | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | 35 | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | 7.9 | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | [2.5] | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 34% | | | | |
| Phenol-d5 (SURR**) | 22% | | | | |
| Nitrobenzene-d5 (SURR**) | 89% | | | | |
| 2-Fluorobiphenyl (SURR**) | 77% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 89% | | | | |
| Terphenyl-d14 (SURR**) | 65% | | | | |

Matrix spike recoveries for Naphthalene, Acenaphthene, and Benzo[a]anthracene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82342**

**Project Description: Xcel Energy/25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:49**

**Sample: 342950** **NSGWMW07R-0604** **Collected: 06/23/04** **Analyzed: 07/09/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 300 | 1000 |
| Acenaphthylene | ND | ug/L | 200 | 340 | 1100 |
| Anthracene | ND | ug/L | 200 | 270 | 900 |
| Benzo[a]anthracene | ND | ug/L | 200 | 280 | 920 |
| Benzo[a]pyrene | ND | ug/L | 200 | 280 | 920 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 250 | 840 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 270 | 900 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 340 | 1100 |
| Chrysene | ND | ug/L | 200 | 280 | 930 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 260 | 880 |
| Dibenzofuran | ND | ug/L | 200 | 310 | 1000 |
| Fluoranthene | ND | ug/L | 200 | 290 | 950 |
| Fluorene | ND | ug/L | 200 | 340 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 310 | 1000 |
| 1-Methylnaphthalene | [570] | ug/L | 200 | 320 | 1100 |
| 2-Methylnaphthalene | [710] | ug/L | 200 | 310 | 1000 |
| 2-Methylphenol | 1200 | ug/L | 200 | 220 | 820 |
| 3 & 4-Methylphenol | 1400 | ug/L | 200 | 250 | 840 |
| Naphthalene | 4100 | ug/L | 200 | 330 | 1100 |
| Phenanthrene | ND | ug/L | 200 | 290 | 950 |
| Phenol | [240] | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 290 | 960 |
| Benzo[e]pyrene | ND | ug/L | 200 | 220 | 740 |
| 2-Fluorophenol (SURR**) | 27% | | | | |
| Phenol-d5 (SURR**) | 22% | | | | |
| Nitrobenzene-d5 (SURR**) | 87% | | | | |
| 2-Fluorobiphenyl (SURR**) | 89% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 68% | | | | |
| Terphenyl-d14 (SURR**) | 72% | | | | |

Matrix spike recoveries for Naphthalene, Acenaphthene, and Benzo[a]anthracene were below QC limits.

Matrix spike and matrix spike duplicate percent difference exceeded control limits for 3&4-Methylphenol.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82342**
**Project Description: Xcel Energy/25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:49**

**Sample: 342951** **NSGWMW07A-0604** **Collected: 06/23/04** **Analyzed: 07/09/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 300 | 1000 |
| Acenaphthylene | ND | ug/L | 200 | 340 | 1100 |
| Anthracene | ND | ug/L | 200 | 270 | 900 |
| Benzo[a]anthracene | ND | ug/L | 200 | 280 | 920 |
| Benzo[a]pyrene | ND | ug/L | 200 | 280 | 920 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 250 | 840 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 270 | 900 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 340 | 1100 |
| Chrysene | ND | ug/L | 200 | 280 | 930 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 260 | 880 |
| Dibenzofuran | ND | ug/L | 200 | 310 | 1000 |
| Fluoranthene | ND | ug/L | 200 | 290 | 950 |
| Fluorene | ND | ug/L | 200 | 340 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 310 | 1000 |
| 1-Methylnaphthalene | [620] | ug/L | 200 | 320 | 1100 |
| 2-Methylnaphthalene | [920] | ug/L | 200 | 310 | 1000 |
| 2-Methylphenol | [310] | ug/L | 200 | 220 | 820 |
| 3 & 4-Methylphenol | [390] | ug/L | 200 | 250 | 840 |
| Naphthalene | 4600 | ug/L | 200 | 330 | 1100 |
| Phenanthrene | ND | ug/L | 200 | 290 | 950 |
| Phenol | ND | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 290 | 960 |
| Benzo[e]pyrene | ND | ug/L | 200 | 220 | 740 |
| 2-Fluorophenol (SURR**) | 0% | | | | |
| Phenol-d5 (SURR**) | 13% | | | | |
| Nitrobenzene-d5 (SURR**) | 87% | | | | |
| 2-Fluorobiphenyl (SURR**) | 74% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 41% | | | | |
| Terphenyl-d14 (SURR**) | 59% | | | | |

Matrix spike recoveries for Naphthalene, Acenaphthene, and Benzo[a]anthracene were below QC limits.
Matrix spike and matrix spike duplicate percent difference exceeded control limits for 3&4-Methylphenol.
The surrogate, 2-Fluorophenol, was not recovered due to sample matrix and a high dilution factor.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82342**
**Project Description: Xcel Energy/25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:49**

**Sample: 342952** **NSGWDUP5-0604** **Collected: 06/23/04** **Analyzed: 07/09/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 300 | 1000 |
| Acenaphthylene | ND | ug/L | 200 | 340 | 1100 |
| Anthracene | ND | ug/L | 200 | 270 | 900 |
| Benzo[a]anthracene | ND | ug/L | 200 | 280 | 920 |
| Benzo[a]pyrene | ND | ug/L | 200 | 280 | 920 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 250 | 840 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 270 | 900 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 340 | 1100 |
| Chrysene | ND | ug/L | 200 | 280 | 930 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 260 | 880 |
| Dibenzofuran | ND | ug/L | 200 | 310 | 1000 |
| Fluoranthene | ND | ug/L | 200 | 290 | 950 |
| Fluorene | ND | ug/L | 200 | 340 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 310 | 1000 |
| 1-Methylnaphthalene | [670] | ug/L | 200 | 320 | 1100 |
| 2-Methylnaphthalene | 1000 | ug/L | 200 | 310 | 1000 |
| 2-Methylphenol | [320] | ug/L | 200 | 220 | 820 |
| 3 & 4-Methylphenol | [420] | ug/L | 200 | 250 | 840 |
| Naphthalene | 5000 | ug/L | 200 | 330 | 1100 |
| Phenanthrene | ND | ug/L | 200 | 290 | 950 |
| Phenol | ND | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 290 | 960 |
| Benzo[e]pyrene | ND | ug/L | 200 | 220 | 740 |
| 2-Fluorophenol (SURR**) | 6% | | | | |
| Phenol-d5 (SURR**) | 16% | | | | |
| Nitrobenzene-d5 (SURR**) | 89% | | | | |
| 2-Fluorobiphenyl (SURR**) | 81% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 30% | | | | |
| Terphenyl-d14 (SURR**) | 70% | | | | |

Matrix spike recoveries for Naphthalene, Acenaphthene, and Benzo[a]anthracene were below QC limits.
Matrix spike and matrix spike duplicate percent difference exceeded control limits for 3&4-Methylphenol.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82342**

**Project Description: Xcel Energy/25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:49**

**Sample: 342953** **NSGWMW02ANET-0604** **Collected: 06/23/04** **Analyzed: 07/09/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | [1.8] | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | [2.3] | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | 12 | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 34% | | | | |
| Phenol-d5 (SURR**) | 21% | | | | |
| Nitrobenzene-d5 (SURR**) | 83% | | | | |
| 2-Fluorobiphenyl (SURR**) | 70% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 82% | | | | |
| Terphenyl-d14 (SURR**) | 62% | | | | |

Matrix spike recoveries for Naphthalene, Acenaphthene, and Benzo[a]anthracene were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82342**
**Project Description: Xcel Energy/25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:49**

**Sample: 342954** **NSGWMW02B** **NET-0604** **Collected: 06/23/04** **Analyzed: 07/09/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 300 | 1000 |
| Acenaphthylene | ND | ug/L | 200 | 340 | 1100 |
| Anthracene | ND | ug/L | 200 | 270 | 900 |
| Benzo[a]anthracene | ND | ug/L | 200 | 280 | 920 |
| Benzo[a]pyrene | ND | ug/L | 200 | 280 | 920 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 250 | 840 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 270 | 900 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 340 | 1100 |
| Chrysene | ND | ug/L | 200 | 280 | 930 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 260 | 880 |
| Dibenzofuran | ND | ug/L | 200 | 310 | 1000 |
| Fluoranthene | ND | ug/L | 200 | 290 | 950 |
| Fluorene | ND | ug/L | 200 | 340 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 310 | 1000 |
| 1-Methylnaphthalene | ND | ug/L | 200 | 320 | 1100 |
| 2-Methylnaphthalene | [420] | ug/L | 200 | 310 | 1000 |
| 2-Methylphenol | [310] | ug/L | 200 | 220 | 820 |
| 3 & 4-Methylphenol | [340] | ug/L | 200 | 250 | 840 |
| Naphthalene | 4500 | ug/L | 200 | 330 | 1100 |
| Phenanthrene | ND | ug/L | 200 | 290 | 950 |
| Phenol | ND | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 290 | 960 |
| Benzo[e]pyrene | ND | ug/L | 200 | 220 | 740 |
| 2-Fluorophenol (SURR**) | 18% | | | | |
| Phenol-d5 (SURR**) | 17% | | | | |
| Nitrobenzene-d5 (SURR**) | 88% | | | | |
| 2-Fluorobiphenyl (SURR**) | 82% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 44% | | | | |
| Terphenyl-d14 (SURR**) | 62% | | | | |

Matrix spike recoveries for Naphthalene, Acenaphthene, and Benzo[a]anthracene were below QC limits.
Matrix spike and matrix spike duplicate percent difference exceeded control limits for 3&4-Methylphenol.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82342**

**Project Description: Xcel Energy/25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:49**

**Sample: 342955** **NSGWMW02NET-0604** **Collected: 06/23/04** **Analyzed: 07/09/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [24] | ug/L | 10 | 15 | 50 |
| Acenaphthylene | ND | ug/L | 10 | 17 | 56 |
| Anthracene | ND | ug/L | 10 | 14 | 45 |
| Benzo[a]anthracene | ND | ug/L | 10 | 14 | 46 |
| Benzo[a]pyrene | ND | ug/L | 10 | 14 | 46 |
| Benzo[b]fluoranthene | ND | ug/L | 10 | 13 | 42 |
| Benzo[g,h,i]perylene | ND | ug/L | 10 | 13 | 45 |
| Benzo[k]fluoranthene | ND | ug/L | 10 | 17 | 56 |
| Chrysene | ND | ug/L | 10 | 14 | 46 |
| Dibenzo[a,h]anthracene | ND | ug/L | 10 | 13 | 44 |
| Dibenzofuran | ND | ug/L | 10 | 16 | 52 |
| Fluoranthene | ND | ug/L | 10 | 14 | 48 |
| Fluorene | ND | ug/L | 10 | 17 | 57 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 10 | 15 | 51 |
| 1-Methylnaphthalene | 73 | ug/L | 10 | 16 | 53 |
| 2-Methylnaphthalene | 64 | ug/L | 10 | 15 | 51 |
| 2-Methylphenol | ND | ug/L | 10 | 11 | 41 |
| 3 & 4-Methylphenol | ND | ug/L | 10 | 13 | 42 |
| Naphthalene | 310 | ug/L | 10 | 17 | 55 |
| Phenanthrene | ND | ug/L | 10 | 14 | 48 |
| Phenol | ND | ug/L | 10 | 5.1 | 17 |
| Pyrene | ND | ug/L | 10 | 14 | 48 |
| Benzo[e]pyrene | ND | ug/L | 10 | 11 | 37 |
| 2-Fluorophenol (SURR**) | 25% | | | | |
| Phenol-d5 (SURR**) | 18% | | | | |
| Nitrobenzene-d5 (SURR**) | 82% | | | | |
| 2-Fluorobiphenyl (SURR**) | 68% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 48% | | | | |
| Terphenyl-d14 (SURR**) | 53% | | | | |

*Matrix spike recoveries for Naphthalene, Acenaphthene, and Benzo[a]anthracene were below QC limits.*

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82342**
**Project Description: Xcel Energy/25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:49**

**Sample: 342956** **NSGWMW24A-0604** **Collected: 06/23/04** **Analyzed: 07/09/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | 10 | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 35% | | | | |
| Phenol-d5 (SURR**) | 23% | | | | |
| Nitrobenzene-d5 (SURR**) | 88% | | | | |
| 2-Fluorobiphenyl (SURR**) | 77% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 84% | | | | |
| Terphenyl-d14 (SURR**) | 64% | | | | |

*Matrix spike recoveries for Naphthalene, Acenaphthene, and Benzo[a]anthracene were below QC limits.*

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82342**
**Project Description: Xcel Energy/25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:49**

**Sample: 342957** **NSGWMW24, MS/MSD-0604** **Collected: 06/23/04** **Analyzed: 07/09/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 19 | ug/L | 2 | 3.0 | 10 |
| Acenaphthylene | ND | ug/L | 2 | 3.4 | 11 |
| Anthracene | ND | ug/L | 2 | 2.7 | 9.0 |
| Benzo[a]anthracene | ND | ug/L | 2 | 2.8 | 9.2 |
| Benzo[a]pyrene | ND | ug/L | 2 | 2.8 | 9.2 |
| Benzo[b]fluoranthene | ND | ug/L | 2 | 2.5 | 8.4 |
| Benzo[g,h,i]perylene | ND | ug/L | 2 | 2.7 | 9.0 |
| Benzo[k]fluoranthene | ND | ug/L | 2 | 3.4 | 11 |
| Chrysene | ND | ug/L | 2 | 2.8 | 9.3 |
| Dibenzo[a,h]anthracene | ND | ug/L | 2 | 2.6 | 8.8 |
| Dibenzofuran | ND | ug/L | 2 | 3.1 | 10 |
| Fluoranthene | ND | ug/L | 2 | 2.9 | 9.5 |
| Fluorene | ND | ug/L | 2 | 3.4 | 11 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 2 | 3.1 | 10 |
| 1-Methylnaphthalene | 49 | ug/L | 2 | 3.2 | 11 |
| 2-Methylnaphthalene | ND | ug/L | 2 | 3.1 | 10 |
| 2-Methylphenol | ND | ug/L | 2 | 2.2 | 8.2 |
| 3 & 4-Methylphenol | ND | ug/L | 2 | 2.5 | 8.4 |
| Naphthalene | 32 | ug/L | 2 | 3.3 | 11 |
| Phenanthrene | ND | ug/L | 2 | 2.9 | 9.5 |
| Phenol | ND | ug/L | 2 | 1.0 | 3.4 |
| Pyrene | ND | ug/L | 2 | 2.9 | 9.6 |
| Benzo[e]pyrene | ND | ug/L | 2 | 2.2 | 7.4 |
| 2-Fluorophenol (SURR**) | 36% | | | | |
| Phenol-d5 (SURR**) | 25% | | | | |
| Nitrobenzene-d5 (SURR**) | 92% | | | | |
| 2-Fluorobiphenyl (SURR**) | 73% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 90% | | | | |
| Terphenyl-d14 (SURR**) | 57% | | | | |

Matrix spike recoveries for Naphthalene, Acenaphthene, and Benzo[a]anthracene were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82342**
**Project Description: Xcel Energy/25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:49**

**Sample: 342958** **NSGWMW25-(604** **Collected: 06/23/04** **Analyzed: 07/09/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [64] | ug/L | 20 | 30 | 100 |
| Acenaphthylene | ND | ug/L | 20 | 34 | 110 |
| Anthracene | ND | ug/L | 20 | 27 | 90 |
| Benzo[a]anthracene | ND | ug/L | 20 | 28 | 92 |
| Benzo[a]pyrene | ND | ug/L | 20 | 28 | 92 |
| Benzo[b]fluoranthene | ND | ug/L | 20 | 25 | 84 |
| Benzo[g,h,i]perylene | ND | ug/L | 20 | 27 | 90 |
| Benzo[k]fluoranthene | ND | ug/L | 20 | 34 | 110 |
| Chrysene | ND | ug/L | 20 | 28 | 93 |
| Dibenzo[a,h]anthracene | ND | ug/L | 20 | 26 | 88 |
| Dibenzofuran | ND | ug/L | 20 | 31 | 100 |
| Fluoranthene | ND | ug/L | 20 | 29 | 95 |
| Fluorene | ND | ug/L | 20 | 34 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 20 | 31 | 100 |
| 1-Methylnaphthalene | 200 | ug/L | 20 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/L | 20 | 31 | 100 |
| 2-Methylphenol | ND | ug/L | 20 | 22 | 82 |
| 3 & 4-Methylphenol | ND | ug/L | 20 | 25 | 84 |
| Naphthalene | 590 | ug/L | 20 | 33 | 110 |
| Phenanthrene | ND | ug/L | 20 | 29 | 95 |
| Phenol | ND | ug/L | 20 | 10 | 34 |
| Pyrene | ND | ug/L | 20 | 29 | 96 |
| Benzo[e]pyrene | ND | ug/L | 20 | 22 | 74 |
| 2-Fluorophenol (SURR**) | 25% | | | | |
| Phenol-d5 (SURR**) | 17% | | | | |
| Nitrobenzene-d5 (SURR**) | 91% | | | | |
| 2-Fluorobiphenyl (SURR**) | 76% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 57% | | | | |
| Terphenyl-d14 (SURR**) | 61% | | | | |

Matrix spike recoveries for Naphthalene, Acenaphthene, and Benzo[a]anthracene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82342**

**Project Description: Xcel Energy/25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:49**

**Sample: 342959** **NSGWMW25A-0604** **Collected: 06/23/04** **Analyzed: 07/09/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | 5.5 | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 31% | | | | |
| Phenol-d5 (SURR**) | 20% | | | | |
| Nitrobenzene-d5 (SURR**) | 82% | | | | |
| 2-Fluorobiphenyl (SURR**) | 69% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 81% | | | | |
| Terphenyl-d14 (SURR**) | 62% | | | | |

Matrix spike recoveries for Naphthalene, Acenaphthene, and Benzo[a]anthracene were below QC limits.

** Surrogates are used to evaluate a method's Quality Control.

# ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82342**
**Project Description: Xcel Energy/25688375**
**Project Title:** **Template: SAT2NSP** **Printed: 07/27/2004 13:48**

**Sample: 342949** **NSGWMW07B-0604** **Collected: 06/23/04** **Analyzed: 07/05/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 110 | ug/L | 10 | 1.2 | 3.8 |
| sec-Butylbenzene | ND | ug/L | 10 | 1.6 | 5.2 |
| Ethylbenzene | 40 | ug/L | 10 | 1.4 | 4.7 |
| ortho-Xylene | 21 | ug/L | 10 | 1.3 | 4.4 |
| Styrene | 20 | ug/L | 10 | 1.4 | 4.7 |
| Toluene | 110 | ug/L | 10 | 2.0 | 7.7 |
| 1,2,4-Trimethylbenzene | 8.1 | ug/L | 10 | 1.4 | 4.8 |
| 1,3,5-Trimethylbenzene | [2.1] | ug/L | 10 | 1.2 | 4.1 |
| meta,para-Xylene | 40 | ug/L | 10 | 2.6 | 8.8 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 10 | 2.1 | 6.8 |
| Dibromofluoromethane (SURR**) | 97% | | | | |
| Toluene-d8 (SURR**) | 104% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

**Sample: 342950** **NSGWMW07R-0604** **Collected: 06/23/04** **Analyzed: 07/05/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 22000 | ug/L | 2000 | 230 | 770 |
| sec-Butylbenzene | ND | ug/L | 2000 | 310 | 1000 |
| Ethylbenzene | 1600 | ug/L | 2000 | 280 | 940 |
| ortho-Xylene | [760] | ug/L | 2000 | 270 | 890 |
| Styrene | [600] | ug/L | 2000 | 280 | 940 |
| Toluene | 8700 | ug/L | 2000 | 410 | 1500 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 2000 | 290 | 960 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 2000 | 240 | 810 |
| meta,para-Xylene | [1400] | ug/L | 2000 | 520 | 1800 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 2000 | 410 | 1400 |
| Dibromofluoromethane (SURR**) | 96% | | | | |
| Toluene-d8 (SURR**) | 105% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

**Sample: 342951** **NSGWMW07A-0604** **Collected: 06/23/04** **Analyzed: 07/05/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 12000 | ug/L | 1000 | 120 | 380 |
| sec-Butylbenzene | ND | ug/L | 1000 | 160 | 520 |
| Ethylbenzene | 1600 | ug/L | 1000 | 140 | 470 |
| ortho-Xylene | 870 | ug/L | 1000 | 130 | 440 |
| Styrene | 890 | ug/L | 1000 | 140 | 470 |
| Toluene | 6800 | ug/L | 1000 | 200 | 770 |
| 1,2,4-Trimethylbenzene | [340] | ug/L | 1000 | 140 | 480 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1000 | 120 | 410 |
| meta,para-Xylene | 1700 | ug/L | 1000 | 260 | 880 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1000 | 210 | 680 |
| Dibromofluoromethane (SURR**) | 98% | | | | |
| Toluene-d8 (SURR**) | 107% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82342**

**Project Description: Xcel Energy/25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 07/27/2004 13:48**

**Sample: 342952** **NSGWDUP5-0604** **Collected: 06/23/04** **Analyzed: 07/05/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 12000 | ug/L | 1000 | 120 | 380 |
| sec-Butylbenzene | ND | ug/L | 1000 | 160 | 520 |
| Ethylbenzene | 1600 | ug/L | 1000 | 140 | 470 |
| ortho-Xylene | 840 | ug/L | 1000 | 130 | 440 |
| Styrene | 850 | ug/L | 1000 | 140 | 470 |
| Toluene | 6900 | ug/L | 1000 | 200 | 770 |
| 1,2,4-Trimethylbenzene | [340] | ug/L | 1000 | 140 | 480 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1000 | 120 | 410 |
| meta,para-Xylene | 1700 | ug/L | 1000 | 260 | 880 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1000 | 210 | 680 |
| Dibromofluoromethane (SURR**) | 98% | | | | |
| Toluene-d8 (SURR**) | 109% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 98% | | | | |

**Sample: 342953** **NSGWMW02ANET-0604** **Collected: 06/23/04** **Analyzed: 07/05/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 2.5 | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | 1.3 | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | 2.3 | ug/L | 1 | 0.13 | 0.44 |
| Styrene | 3.3 | ug/L | 1 | 0.14 | 0.47 |
| Toluene | 1.6 | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | 1.7 | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | 0.43 | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | 4.7 | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | 0.68 | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 99% | | | | |
| Toluene-d8 (SURR**) | 107% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 103% | | | | |

**Sample: 342954** **NSGWMW02BNET-0604** **Collected: 06/23/04** **Analyzed: 07/05/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 20000 | ug/L | 2000 | 230 | 770 |
| sec-Butylbenzene | ND | ug/L | 2000 | 310 | 1000 |
| Ethylbenzene | 3400 | ug/L | 2000 | 280 | 940 |
| ortho-Xylene | 1200 | ug/L | 2000 | 270 | 890 |
| Styrene | [330] | ug/L | 2000 | 280 | 940 |
| Toluene | 9200 | ug/L | 2000 | 410 | 1500 |
| 1,2,4-Trimethylbenzene | [300] | ug/L | 2000 | 290 | 960 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 2000 | 240 | 810 |
| meta,para-Xylene | 2300 | ug/L | 2000 | 520 | 1800 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 2000 | 410 | 1400 |
| Dibromofluoromethane (SURR**) | 98% | | | | |
| Toluene-d8 (SURR**) | 103% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 98% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82342**

**Project Description: Xcel Energy/25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 07/27/2004 13:48**

**Sample: 342955** **NSGWMW02NET-0604** **Collected: 06/23/04** **Analyzed: 07/05/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 800 | ug/L | 100 | 12 | 38 |
| sec-Butylbenzene | ND | ug/L | 100 | 16 | 52 |
| Ethylbenzene | 110 | ug/L | 100 | 14 | 47 |
| ortho-Xylene | 52 | ug/L | 100 | 13 | 44 |
| Styrene | ND | ug/L | 100 | 14 | 47 |
| Toluene | [34] | ug/L | 100 | 20 | 77 |
| 1,2,4-Trimethylbenzene | [20] | ug/L | 100 | 14 | 48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 100 | 12 | 41 |
| meta,para-Xylene | [48] | ug/L | 100 | 26 | 88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 100 | 21 | 68 |
| Dibromofluoromethane (SURR**) | 96% | | | | |
| Toluene-d8 (SURR**) | 101% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

**Sample: 342956** **NSGWMW24A-0604** **Collected: 06/23/04** **Analyzed: 07/05/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 11 | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | 9.8 | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | 3.3 | ug/L | 1 | 0.13 | 0.44 |
| Styrene | 1.1 | ug/L | 1 | 0.14 | 0.47 |
| Toluene | 15 | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | 0.94 | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | [0.21] | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | 7.2 | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 102% | | | | |
| Toluene-d8 (SURR**) | 109% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 105% | | | | |

**Sample: 342957** **NSGWMW24, MS/MSD-0604** **Collected: 06/23/04** **Analyzed: 07/05/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 130 | ug/L | 10 | 1.2 | 3.8 |
| sec-Butylbenzene | ND | ug/L | 10 | 1.6 | 5.2 |
| Ethylbenzene | 6.6 | ug/L | 10 | 1.4 | 4.7 |
| ortho-Xylene | 4.5 | ug/L | 10 | 1.3 | 4.4 |
| Styrene | ND | ug/L | 10 | 1.4 | 4.7 |
| Toluene | ND | ug/L | 10 | 2.0 | 7.7 |
| 1,2,4-Trimethylbenzene | 22 | ug/L | 10 | 1.4 | 4.8 |
| 1,3,5-Trimethylbenzene | [3.1] | ug/L | 10 | 1.2 | 4.1 |
| meta,para-Xylene | [3.3] | ug/L | 10 | 2.6 | 8.8 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 10 | 2.1 | 6.8 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 106% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 106% | | | | |

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82342**
**Project Description: Xcel Energy/25688375**
**Project Title:** **Template: SAT2NSP** **Printed: 07/27/2004 13:48**

**Sample: 342958** **NSGWMW25-0604** **Collected: 06/23/04** **Analyzed: 07/05/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 1400 | ug/L | 100 | 12 | 38 |
| sec-Butylbenzene | ND | ug/L | 100 | 16 | 52 |
| Ethylbenzene | 310 | ug/L | 100 | 14 | 47 |
| ortho-Xylene | 100 | ug/L | 100 | 13 | 44 |
| Styrene | ND | ug/L | 100 | 14 | 47 |
| Toluene | ND | ug/L | 100 | 20 | 77 |
| 1,2,4-Trimethylbenzene | 68 | ug/L | 100 | 14 | 48 |
| 1,3,5-Trimethylbenzene | [15] | ug/L | 100 | 12 | 41 |
| meta,para-Xylene | [54] | ug/L | 100 | 26 | 88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 100 | 21 | 68 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 106% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 103% | | | | |

**Sample: 342959** **NSGWMW25A-0604** **Collected: 06/23/04** **Analyzed: 07/05/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 3.3 | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | 4.3 | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | 1.3 | ug/L | 1 | 0.13 | 0.44 |
| Styrene | [0.29] | ug/L | 1 | 0.14 | 0.47 |
| Toluene | 5.7 | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | [0.46] | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | 3.2 | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 99% | | | | |
| Toluene-d8 (SURR**) | 105% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

**Sample: 342960** **Trip Blank** **Collected: 06/23/04** **Analyzed: 07/05/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | [0.59] | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 109% | | | | |
| Toluene-d8 (SURR**) | 110% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 105% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

Customer: URS Corporation (Milwaukee) NLS Project: 82342

Project Description: Xcel Energy/25688375

Project Title: Template: SAT2NSP Printed: 07/27/2004 13:48

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82361
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Energy/25688375

**NSGWMW26-0604 NLS ID: 343025**
Ref. Line 1 COC 69755 NSGWMW26-0604 Matrix: GW
Collected: 06/24/04 09:00 Received: 06/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 34 | mg/L | 1 | 0.0042 | 0.015 | 07/08/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | 0.021 | mg/L | 1 | 0.0042 | 0.015 | 07/08/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/22/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/22/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 07/21/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [6.4] | ug/L | 1 | 2.6 | 9.0 | 07/21/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 550 | ug/L | 1 | 2.5* | 5.0 | 07/08/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 330 | ug/L | 1 | 2.5* | 5.0 | 07/08/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 5 | 0.85 | 2.5 | 07/09/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/08/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/08/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/08/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 200 | mg/L | 1 | 0.15* | 0.30 | 07/08/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 180 | mg/L | 1 | 0.15* | 0.30 | 07/08/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 8.7 | ug/L | 1 | 3.6* | | 06/24/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 37 | ug/L | 1 | 3.6* | | 07/09/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 46 | ug/L | 1 | 0.51 | 1.8 | 07/08/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 07/08/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 23 | ug/L | 1 | 0.67 | 2.0 | 07/08/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | 5.3 | ug/L | 1 | 0.67 | 2.0 | 07/08/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 72 | ug/L | 1 | 1.3 | 4.0 | 07/08/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | [2.7] | ug/L | 1 | 1.3 | 4.0 | 07/08/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 06/29/04 | EPA 335.4 | 721026460 |
| | Matrix spike and matrix spike duplicate percent difference associated with this distillation batch exceeded control limits due to sample matrix. All other quality control checks were within QC limits. | | | | | | | |
| Iron, tot. as Fe by ICP-Trace | 45 | mg/L | 1 | 0.033 | 0.10 | 07/08/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 14 | mg/L | 1 | 0.033 | 0.10 | 07/08/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 37 | ug/L | 1 | 0.87 | 3.0 | 07/08/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 07/08/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 43 | mg/L | 1 | 0.15* | 0.30 | 07/08/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 27 | mg/L | 1 | 0.15* | 0.30 | 07/08/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 3400 | ug/L | 1 | 1.0* | 2.0 | 07/08/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 3100 | ug/L | 1 | 1.0* | 2.0 | 07/08/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/28/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | [0.047] | ug/L | 1 | 0.025 | 0.050 | 06/28/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 42 | ug/L | 1 | 0.67 | 2.0 | 07/08/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 2.6 | ug/L | 1 | 0.67 | 2.0 | 07/08/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 10 | mg/L | 1 | 0.53 | 1.9 | 07/09/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 17 | mg/L | 1 | 0.53 | 1.9 | 07/09/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/19/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/19/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/08/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/08/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 27 | mg/L | 1 | 0.012 | 0.044 | 07/09/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 28 | mg/L | 1 | 0.012 | 0.044 | 07/09/04 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82361
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Energy/25688375

**NSGWMW26-0604 NLS ID: 343025**
Ref. Line 1 COC 69755 NSGWMW26-0604 Matrix: GW
Collected: 06/24/04 09:00 Received: 06/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/22/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/22/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 87 | ug/L | 1 | 0.67 | 2.0 | 07/08/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [1.8] | ug/L | 1 | 0.67 | 2.0 | 07/08/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 140 | ug/L | 1 | 5.0* | 10 | 07/08/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [7.7] | ug/L | 1 | 5.0* | 10 | 07/08/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/28/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/28/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/30/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/28/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 07/03/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/28/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 07/12/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
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400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 82361
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel Energy/25688375

**NSGWMW26A-0604 NLS ID: 343026**
Ref. Line 2 COC 69755 NSGWMW26A-0604 Matrix: GW
Collected: 06/24/04 09:30 Received: 06/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 3.5 | mg/L | 1 | 0.0042 | 0.015 | 07/08/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.013] | mg/L | 1 | 0.0042 | 0.015 | 07/08/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/22/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/22/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 07/21/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 07/21/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 73 | ug/L | 1 | 2.5* | 5.0 | 07/08/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 45 | ug/L | 1 | 2.5* | 5.0 | 07/08/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/08/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/08/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/08/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/08/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 20 | mg/L | 1 | 0.15* | 0.30 | 07/08/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 17 | mg/L | 1 | 0.15* | 0.30 | 07/08/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 06/24/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 4.7 | ug/L | 1 | 3.6* | | 07/09/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 4.7 | ug/L | 1 | 0.51 | 1.8 | 07/08/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.70] | ug/L | 1 | 0.51 | 1.8 | 07/08/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | [1.2] | ug/L | 1 | 0.67 | 2.0 | 07/08/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/08/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 5.3 | ug/L | 1 | 1.3 | 4.0 | 07/08/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 07/08/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 06/29/04 | EPA 335.4 | 721026460 |
| | Matrix spike and matrix spike duplicate percent difference associated with this distillation batch exceeded control limits due to sample matrix. All other quality control checks were within QC limits. | | | | | | | |
| Iron, tot. as Fe by ICP-Trace | 2.5 | mg/L | 1 | 0.033 | 0.10 | 07/08/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 07/08/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | [2.0] | ug/L | 1 | 0.87 | 3.0 | 07/08/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 07/08/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 6.8 | mg/L | 1 | 0.15* | 0.30 | 07/08/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 5.2 | mg/L | 1 | 0.15* | 0.30 | 07/08/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 100 | ug/L | 1 | 1.0* | 2.0 | 07/08/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 48 | ug/L | 1 | 1.0* | 2.0 | 07/08/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/28/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/28/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 3.9 | ug/L | 1 | 0.67 | 2.0 | 07/08/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/08/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.3 | mg/L | 1 | 0.53 | 1.9 | 07/09/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 5.1 | mg/L | 1 | 0.53 | 1.9 | 07/09/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/19/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/19/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/08/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/08/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 21 | mg/L | 1 | 0.012 | 0.044 | 07/09/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 21 | mg/L | 1 | 0.012 | 0.044 | 07/09/04 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
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400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82361
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Energy/25688375

**NSGWMW26A-0604 NLS ID: 343025**
Ref. Line 2 COC 69755 NSGWMW26A-0604 Matrix: GW
Collected: 06/24/04 09:30 Received: 06/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/22/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/22/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 5.8 | ug/L | 1 | 0.67 | 2.0 | 07/08/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/08/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 11 | ug/L | 1 | 5.0* | 10 | 07/08/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 07/08/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/28/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/28/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/30/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/28/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 07/03/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/28/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 07/12/04 | SW846 8270C | 721026460 |

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400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82361
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Energy/25688375

**NSGWMW23A-0604 NLS ID: 343027**
Ref. Line 3 COC 69755 NSGWMW23A-0604 Matrix: GW
Collected: 06/24/04 09:55 Received: 06/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.018 | mg/L | 1 | 0.0042 | 0.015 | 07/08/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0060] | mg/L | 1 | 0.0042 | 0.015 | 07/08/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/22/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/22/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 07/21/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 07/21/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 390 | ug/L | 1 | 2.5* | 5.0 | 07/08/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 380 | ug/L | 1 | 2.5* | 5.0 | 07/08/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/08/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/08/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/08/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/08/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 76 | mg/L | 1 | 0.15* | 0.30 | 07/08/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 75 | mg/L | 1 | 0.15* | 0.30 | 07/08/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 06/24/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 07/09/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [0.54] | ug/L | 1 | 0.51 | 1.8 | 07/08/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 07/08/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/08/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/08/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 07/08/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 07/08/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 06/29/04 | EPA 335.4 | 721026460 |
| | Matrix spike and matrix spike duplicate percent difference associated with this distillation batch exceeded control limits due to sample matrix. All other quality control checks were within QC limits. | | | | | | | |
| Iron, tot. as Fe by ICP-Trace | 0.26 | mg/L | 1 | 0.033 | 0.10 | 07/08/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 0.23 | mg/L | 1 | 0.033 | 0.10 | 07/08/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | [1.6] | ug/L | 1 | 0.87 | 3.0 | 07/08/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 07/08/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 41 | mg/L | 1 | 0.15* | 0.30 | 07/08/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 40 | mg/L | 1 | 0.15* | 0.30 | 07/08/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 180 | ug/L | 1 | 1.0* | 2.0 | 07/08/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 180 | ug/L | 1 | 1.0* | 2.0 | 07/08/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/28/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/28/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/08/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/08/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 7.0 | mg/L | 1 | 0.53 | 1.9 | 07/09/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 6.7 | mg/L | 1 | 0.53 | 1.9 | 07/09/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/19/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/19/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/08/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/08/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 26 | mg/L | 1 | 0.012 | 0.044 | 07/09/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 25 | mg/L | 1 | 0.012 | 0.044 | 07/09/04 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82361
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Energy/25688375

**NSGWMW23A-0604 NLS ID: 343027**
Ref. Line 3 COC 69755 NSGWMW23A-0604 Matrix: GW
Collected: 06/24/04 09:55 Received: 06/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/22/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/22/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/08/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/08/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 07/08/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 07/08/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/28/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/28/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/30/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/28/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 07/03/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/28/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 07/12/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 82361
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Energy/25688375

**NSGWDUP6-0604 NLS ID: 343028**
Ref. Line 4 COC 69755 NSGWDUP6-0604 Matrix: GW
Collected: 06/24/04 10:15 Received: 06/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.025 | mg/L | 1 | 0.0042 | 0.015 | 07/08/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0090] | mg/L | 1 | 0.0042 | 0.015 | 07/08/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/22/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/22/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 07/21/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 07/21/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 380 | ug/L | 1 | 2.5* | 5.0 | 07/08/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 390 | ug/L | 1 | 2.5* | 5.0 | 07/08/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/08/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/08/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/08/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/08/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 76 | mg/L | 1 | 0.15* | 0.30 | 07/08/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 77 | mg/L | 1 | 0.15* | 0.30 | 07/08/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 06/24/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 07/09/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 07/08/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.62] | ug/L | 1 | 0.51 | 1.8 | 07/08/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/08/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/08/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 07/08/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 07/08/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 07/01/04 | EPA 335.4 | 721026460 |
| | LCS was outside QC limits at 86%. Method specifies that LCS should be 90-110%. All other spikes and calibration check standards were within QC limits. | | | | | | | |
| Iron, tot. as Fe by ICP-Trace | 0.25 | mg/L | 1 | 0.033 | 0.10 | 07/08/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 0.24 | mg/L | 1 | 0.033 | 0.10 | 07/08/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | [0.92] | ug/L | 1 | 0.87 | 3.0 | 07/08/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [1.2] | ug/L | 1 | 0.87 | 3.0 | 07/08/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 41 | mg/L | 1 | 0.15* | 0.30 | 07/08/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 42 | mg/L | 1 | 0.15* | 0.30 | 07/08/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 180 | ug/L | 1 | 1.0* | 2.0 | 07/08/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 180 | ug/L | 1 | 1.0* | 2.0 | 07/08/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/28/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/28/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/08/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 2.1 | ug/L | 1 | 0.67 | 2.0 | 07/08/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 7.1 | mg/L | 1 | 0.53 | 1.9 | 07/09/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 6.6 | mg/L | 1 | 0.53 | 1.9 | 07/09/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/19/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/19/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/08/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/08/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 25 | mg/L | 1 | 0.012 | 0.044 | 07/09/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 25 | mg/L | 1 | 0.012 | 0.044 | 07/09/04 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
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400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82361
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Energy/25688375

**NSGWDUP6-0604 NLS ID: 343028**
Ref. Line 4 COC 69755 NSGWDUP6-0604 Matrix: GW
Collected: 06/24/04 10:15 Received: 06/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/22/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/22/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/08/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/08/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 07/08/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 07/08/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/28/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/28/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/30/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/28/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 07/03/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/28/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 07/12/04 | SW846 8270C | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Ben Nelson**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 82361**
**NLS Customer: 91206**

*Fax: 414 831 4101* *Phone: 414 831 4100*

**Project:** **Xcel Energy/25688375**

**NSGWMW23B-0604 NLS ID: 343029**
Ref. Line 5 COC 69755 NSGWMW23B-0604 Matrix: GW
Collected: 06/24/04 10:30 Received: 06/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.60 | mg/L | 1 | 0.0042 | 0.015 | 07/08/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.010] | mg/L | 1 | 0.0042 | 0.015 | 07/08/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/22/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 07/22/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 07/21/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [2.9] | ug/L | 1 | 2.6 | 9.0 | 07/21/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 120 | ug/L | 1 | 2.5* | 5.0 | 07/08/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 120 | ug/L | 1 | 2.5* | 5.0 | 07/08/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/08/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/08/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/08/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 07/08/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 25 | mg/L | 1 | 0.15* | 0.30 | 07/08/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 24 | mg/L | 1 | 0.15* | 0.30 | 07/08/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 06/24/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 07/09/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [1.1] | ug/L | 1 | 0.51 | 1.8 | 07/08/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [1.0] | ug/L | 1 | 0.51 | 1.8 | 07/08/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/08/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/08/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 07/08/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 07/08/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 07/01/04 | EPA 335.4 | 721026460 |
| | LCS was outside QC limits at 86%. Method specifies that LCS should be 90-110%. All other spikes and calibration check standards were within QC limits. | | | | | | | |
| Iron, tot. as Fe by ICP-Trace | 0.59 | mg/L | 1 | 0.033 | 0.10 | 07/08/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 07/08/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | [1.0] | ug/L | 1 | 0.87 | 3.0 | 07/08/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [1.6] | ug/L | 1 | 0.87 | 3.0 | 07/08/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 9.5 | mg/L | 1 | 0.15* | 0.30 | 07/08/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 9.1 | mg/L | 1 | 0.15* | 0.30 | 07/08/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 43 | ug/L | 1 | 1.0* | 2.0 | 07/08/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 34 | ug/L | 1 | 1.0* | 2.0 | 07/08/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 06/28/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 06/28/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | [0.83] | ug/L | 1 | 0.67 | 2.0 | 07/08/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.5] | ug/L | 1 | 0.67 | 2.0 | 07/08/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.1 | mg/L | 1 | 0.53 | 1.9 | 07/09/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 4.0 | mg/L | 1 | 0.53 | 1.9 | 07/09/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | [2.1] | ug/L | 1 | 1.6 | 5.5 | 07/19/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 07/19/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/08/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/08/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 18 | mg/L | 1 | 0.012 | 0.044 | 07/09/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 18 | mg/L | 1 | 0.012 | 0.044 | 07/09/04 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 82361
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Energy/25688375

**NSGWMW23B-0604 NLS ID: 343029**
Ref. Line 5 COC 69755 NSGWMW23B-0604 Matrix: GW
Collected: 06/24/04 10:30 Received: 06/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/22/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 07/22/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | [1.2] | ug/L | 1 | 0.67 | 2.0 | 07/08/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 07/08/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 28 | ug/L | 1 | 5.0* | 10 | 07/08/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [7.9] | ug/L | 1 | 5.0* | 10 | 07/08/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 06/28/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 06/28/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 06/30/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 06/28/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 07/03/04 | SW846 8260 | 721026460 |
| Base/Neutral/Acid Extraction by 3510C | yes | | | | | 06/28/04 | SW846 3510 | 721026460 |
| Sem volatile GC/MS by 8270C | see attached | | | | | 07/12/04 | SW846 8270C | 721026460 |

**Trip Blank NLS ID: 343030**
Ref. Line COC 69755 Trip Blank Matrix: TB
Collected: 06/24/04 00:00 Received: 06/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 07/03/04 | SW846 8260 | 721026460 |

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation" LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82361**
**Project Description: Xcel Energy/25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:46**

**Sample: 343025** **NSGWMW26-0604** **Collected: 06/24/04** **Analyzed: 07/12/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [98] | ug/L | 20 | 30 | 100 |
| Acenaphthylene | ND | ug/L | 20 | 34 | 110 |
| Anthracene | ND | ug/L | 20 | 27 | 90 |
| Benzo[a]anthracene | ND | ug/L | 20 | 28 | 92 |
| Benzo[a]pyrene | ND | ug/L | 20 | 28 | 92 |
| Benzo[b]fluoranthene | ND | ug/L | 20 | 25 | 84 |
| Benzo[g,h,i]perylene | ND | ug/L | 20 | 27 | 90 |
| Benzo[k]fluoranthene | ND | ug/L | 20 | 34 | 110 |
| Chrysene | ND | ug/L | 20 | 28 | 93 |
| Dibenzo[a,h]anthracene | ND | ug/L | 20 | 26 | 88 |
| Dibenzofuran | ND | ug/L | 20 | 31 | 100 |
| Fluoranthene | ND | ug/L | 20 | 29 | 95 |
| Fluorene | ND | ug/L | 20 | 34 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 20 | 31 | 100 |
| 1-Methylnaphthalene | 200 | ug/L | 20 | 32 | 110 |
| 2-Methylnaphthalene | 250 | ug/L | 20 | 31 | 100 |
| 2-Methylphenol | ND | ug/L | 20 | 22 | 82 |
| 3 & 4-Methylphenol | ND | ug/L | 20 | 25 | 84 |
| Naphthalene | 450 | ug/L | 20 | 33 | 110 |
| Phenanthrene | [47] | ug/L | 20 | 29 | 95 |
| Phenol | ND | ug/L | 20 | 10 | 34 |
| Pyrene | ND | ug/L | 20 | 29 | 96 |
| Benzo[e]pyrene | ND | ug/L | 20 | 22 | 74 |
| 2-Fluorophenol (SURR**) | 34% | | | | |
| Phenol-d5 (SURR**) | 21% | | | | |
| Nitrobenzene-d5 (SURR**) | 98% | | | | |
| 2-Fluorobiphenyl (SURR**) | 76% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 85% | | | | |
| Terphenyl-d14 (SURR**) | 59% | | | | |

Matrix spike recoveries for Naphthalene, Acenaphthene, and Benzo[a]anthracene were below QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82361**
**Project Description: Xcel Energy/25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:46**

**Sample: 343026** **NSGWMW26A-0604** **Collected: 06/24/04** **Analyzed: 07/12/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [1.5] | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | [3.0] | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | [4.0] | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | 7.4 | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 34% | | | | |
| Phenol-d5 (SURR**) | 22% | | | | |
| Nitrobenzene-d5 (SURR**) | 87% | | | | |
| 2-Fluorobiphenyl (SURR**) | 72% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 92% | | | | |
| Terphenyl-d14 (SURR**) | 67% | | | | |

Matrix spike recoveries for Naphthalene, Acenaphthene, and Benzo[a]anthracene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82361**

**Project Description: Xcel Energy/25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:46**

**Sample: 343027** **NSGWMW23A-0604** **Collected: 06/24/04** **Analyzed: 07/12/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 300 | 1000 |
| Acenaphthylene | ND | ug/L | 200 | 340 | 1100 |
| Anthracene | ND | ug/L | 200 | 270 | 900 |
| Benzo[a]anthracene | ND | ug/L | 200 | 280 | 920 |
| Benzo[a]pyrene | ND | ug/L | 200 | 280 | 920 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 250 | 840 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 270 | 900 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 340 | 1100 |
| Chrysene | ND | ug/L | 200 | 280 | 930 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 260 | 880 |
| Dibenzofuran | ND | ug/L | 200 | 310 | 1000 |
| Fluoranthene | ND | ug/L | 200 | 290 | 950 |
| Fluorene | ND | ug/L | 200 | 340 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 310 | 1000 |
| 1-Methylnaphthalene | [470] | ug/L | 200 | 320 | 1100 |
| 2-Methylnaphthalene | [630] | ug/L | 200 | 310 | 1000 |
| 2-Methylphenol | ND | ug/L | 200 | 220 | 820 |
| 3 & 4-Methylphenol | ND | ug/L | 200 | 250 | 840 |
| Naphthalene | 5000 | ug/L | 200 | 330 | 1100 |
| Phenanthrene | ND | ug/L | 200 | 290 | 950 |
| Phenol | ND | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 290 | 960 |
| Benzo[e]pyrene | ND | ug/L | 200 | 220 | 740 |
| 2-Fluorophenol (SURR**) | 19% | | | | |
| Phenol-d5 (SURR**) | 23% | | | | |
| Nitrobenzene-d5 (SURR**) | 71% | | | | |
| 2-Fluorobiphenyl (SURR**) | 78% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 41% | | | | |
| Terphenyl-d14 (SURR**) | 71% | | | | |

Matrix spike recoveries for Naphthalene, Acenaphthene, and Benzo[a]anthracene were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82361**
**Project Description: Xcel Energy/25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:46**

**Sample: 343028** **NSGWDUP6-0604** **Collected: 06/24/04** **Analyzed: 07/12/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 300 | 1000 |
| Acenaphthylene | ND | ug/L | 200 | 340 | 1100 |
| Anthracene | ND | ug/L | 200 | 270 | 900 |
| Benzo[a]anthracene | ND | ug/L | 200 | 280 | 920 |
| Benzo[a]pyrene | ND | ug/L | 200 | 280 | 920 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 250 | 840 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 270 | 900 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 340 | 1100 |
| Chrysene | ND | ug/L | 200 | 280 | 930 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 260 | 880 |
| Dibenzofuran | ND | ug/L | 200 | 310 | 1000 |
| Fluoranthene | ND | ug/L | 200 | 290 | 950 |
| Fluorene | ND | ug/L | 200 | 340 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 310 | 1000 |
| 1-Methylnaphthalene | [440] | ug/L | 200 | 320 | 1100 |
| 2-Methylnaphthalene | [640] | ug/L | 200 | 310 | 1000 |
| 2-Methylphenol | ND | ug/L | 200 | 220 | 820 |
| 3 & 4-Methylphenol | ND | ug/L | 200 | 250 | 840 |
| Naphthalene | 5200 | ug/L | 200 | 330 | 1100 |
| Phenanthrene | ND | ug/L | 200 | 290 | 950 |
| Phenol | ND | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 290 | 960 |
| Benzo[e]pyrene | ND | ug/L | 200 | 220 | 740 |
| 2-Fluorophenol (SURR**) | 24% | | | | |
| Phenol-d5 (SURR**) | 9% | | | | |
| Nitrobenzene-d5 (SURR**) | 80% | | | | |
| 2-Fluorobiphenyl (SURR**) | 73% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 20% | | | | |
| Terphenyl-d14 (SURR**) | 59% | | | | |

Matrix spike recoveries for Naphthalene, Acenaphthene, and Benzo[a]anthracene were below QC limits.
Surrogate recovery for 2,4,6-Tribromophenol was below QC limits due to sample matrix and a high dilution factor.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82361**

***Project Description: Xcel Energy/25688375***

**Project Title:** **Template: 8270WNSP** **Printed: 07/27/2004 13:46**

**Sample: 343029** **NSGWMW23B-0604** **Collected: 06/24/04** **Analyzed: 07/12/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 300 | 1000 |
| Acenaphthylene | ND | ug/L | 200 | 340 | 1100 |
| Anthracene | ND | ug/L | 200 | 270 | 900 |
| Benzo[a]anthracene | ND | ug/L | 200 | 280 | 920 |
| Benzo[a]pyrene | ND | ug/L | 200 | 280 | 920 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 250 | 840 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 270 | 900 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 340 | 1100 |
| Chrysene | ND | ug/L | 200 | 280 | 930 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 260 | 880 |
| Dibenzofuran | ND | ug/L | 200 | 310 | 1000 |
| Fluoranthene | ND | ug/L | 200 | 290 | 950 |
| Fluorene | ND | ug/L | 200 | 340 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 310 | 1000 |
| 1-Methylnaphthalene | [590] | ug/L | 200 | 320 | 1100 |
| 2-Methylnaphthalene | [830] | ug/L | 200 | 310 | 1000 |
| 2-Methylphenol | ND | ug/L | 200 | 220 | 820 |
| 3 & 4-Methylphenol | ND | ug/L | 200 | 250 | 840 |
| Naphthalene | 5400 | ug/L | 200 | 330 | 1100 |
| Phenanthrene | ND | ug/L | 200 | 290 | 950 |
| Phenol | ND | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 290 | 960 |
| Benzo[e]pyrene | ND | ug/L | 200 | 220 | 740 |
| 2-Fluorophenol (SURR**) | 11% | | | | |
| Phenol-d5 (SURR**) | 11% | | | | |
| Nitrobenzene-d5 (SURR**) | 74% | | | | |
| 2-Fluorobiphenyl (SURR**) | 73% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 0% | | | | |
| Terphenyl-d14 (SURR**) | 64% | | | | |

Matrix spike recoveries for Naphthalene, Acenaphthene, and Benzo[a]anthracene were below QC limits.

The surrogate, 2,4,6-Tribromophenol, was not recovered due to sample matrix and a high dilution factor.

** Surrogates are used to evaluate a method's Quality Control.

# ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82361**
**Project Description: Xcel Energy/25688375**
**Project Title:** **Template: SAT2NSP Printed: 07/27/2004 13:45**

**Sample: 343025 NSGWMW26-0604** **Collected: 06/24/04** **Analyzed: 07/03/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [7.4] | ug/L | 50 | 5.8 | 19 |
| sec-Butylbenzene | ND | ug/L | 50 | 7.9 | 26 |
| Ethylbenzene | 78 | ug/L | 50 | 7.1 | 23 |
| ortho-Xylene | 31 | ug/L | 50 | 6.7 | 22 |
| Styrene | ND | ug/L | 50 | 7.0 | 23 |
| Toluene | ND | ug/L | 50 | 10 | 39 |
| 1,2,4-Trimethylbenzene | 52 | ug/L | 50 | 7.2 | 24 |
| 1,3,5-Trimethylbenzene | [15] | ug/L | 50 | 6.1 | 20 |
| meta,para-Xylene | 73 | ug/L | 50 | 13 | 44 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 50 | 10 | 34 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 103% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 104% | | | | |

**Sample: 343026 NSGWMW26A-0604** **Collected: 06/24/04** **Analyzed: 07/03/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | 0.64 | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | [0.24] | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | 1.3 | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | [0.39] | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | [0.14] | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | [0.47] | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 101% | | | | |
| Toluene-d8 (SURR**) | 108% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 105% | | | | |

**Sample: 343027 NSGWMW23A-0604** **Collected: 06/24/04** **Analyzed: 07/03/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 4100 | ug/L | 800 | 92 | 310 |
| sec-Butylbenzene | ND | ug/L | 800 | 130 | 420 |
| Ethylbenzene | 1100 | ug/L | 800 | 110 | 380 |
| ortho-Xylene | 1100 | ug/L | 800 | 110 | 350 |
| Styrene | 2100 | ug/L | 800 | 110 | 370 |
| Toluene | 7100 | ug/L | 800 | 160 | 620 |
| 1,2,4-Trimethylbenzene | [360] | ug/L | 800 | 120 | 380 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 800 | 98 | 330 |
| meta,para-Xylene | 2200 | ug/L | 800 | 210 | 700 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 800 | 160 | 550 |
| Dibromofluoromethane (SURR**) | 101% | | | | |
| Toluene-d8 (SURR**) | 112% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 105% | | | | |

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82361**
***Project Description: Xcel Energy/25688375***
**Project Title:** **Template: SAT2NSP** **Printed: 07/27/2004 13:45**

**Sample: 343028** **NSGWDUP6-0604** **Collected: 06/24/04** **Analyzed: 07/03/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 4200 | ug/L | 500 | 58 | 190 |
| sec-Butylbenzene | ND | ug/L | 500 | 79 | 260 |
| *Ethylbenzene* | *1200* | *ug/L* | *500* | *71* | *230* |
| ortho-Xylene | 1200 | ug/L | 500 | 67 | 220 |
| Styrene | 2200 | ug/L | 500 | 70 | 230 |
| Toluene | 7400 | ug/L | 500 | 100 | 390 |
| 1,2,4-Trimethylbenzene | 380 | ug/L | 500 | 72 | 240 |
| 1,3,5-Trimethylbenzene | [84] | ug/L | 500 | 61 | 200 |
| meta,para-Xylene | 2400 | ug/L | 500 | 130 | 440 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 500 | 100 | 340 |
| Dibromofluoromethane (SURR**) | 102% | | | | |
| Toluene-d8 (SURR**) | 113% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 105% | | | | |

**Sample: 343029** **NSGWMW23B-0604** **Collected: 06/24/04** **Analyzed: 07/03/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 3300 | ug/L | 500 | 58 | 190 |
| sec-Butylbenzene | ND | ug/L | 500 | 79 | 260 |
| *Ethylbenzene* | 370 | ug/L | 500 | 71 | 230 |
| ortho-Xylene | 990 | ug/L | 500 | 67 | 220 |
| Styrene | 2300 | ug/L | 500 | 70 | 230 |
| Toluene | 5000 | ug/L | 500 | 100 | 390 |
| 1,2,4-Trimethylbenzene | 430 | ug/L | 500 | 72 | 240 |
| 1,3,5-Trimethylbenzene | [96] | ug/L | 500 | 61 | 200 |
| meta,para-Xylene | 2000 | ug/L | 500 | 130 | 440 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 500 | 100 | 340 |
| Dibromofluoromethane (SURR**) | 106% | | | | |
| Toluene-d8 (SURR**) | 118% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 109% | | | | |

**Sample: 343030** **Trip Blank** **Collected: 06/24/04** **Analyzed: 07/03/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| *Ethylbenzene* | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | [0.61] | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 99% | | | | |
| Toluene-d8 (SURR**) | 102% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 98% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

Customer: URS Corporation (Milwaukee) NLS Project: 82361

Project Description: Xcel Energy/25688375

Project Title: Template: SAT2NSP Printed: 07/27/2004 13:45

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 82633
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel Energy - Ashland (Remediation site)

**Influent NLS ID: 343965**
Ref. Line 1 COC 69360 Influent Matrix: GW
Collected: 07/06/04 00:00 Received: 07/07/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 07/09/04 | SW846 8260 | 721026460 |

**Pre Carbon NLS ID: 343966**
Ref. Line 2 COC 69360 Pre Carbon Matrix: GW
Collected: 07/06/04 00:00 Received: 07/07/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 07/12/04 | SW846 8260 | 721026460 |

**Effluent NLS ID: 343967**
Ref. Line 3 COC 69360 Effluent Matrix: GW
Collected: 07/06/04 00:00 Received: 07/07/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 07/09/04 | SW846 8260 | 721026460 |

**Trip Blank NLS ID: 343968**
Ref. Line COC 69360 Trip Blank Matrix: TB
Collected: 07/06/04 00:00 Received: 07/07/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 07/09/04 | SW846 8260 | 721026460 |

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

# ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Sat 2000R)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82633**
**Project Description: Xcel Energy - Ashland (Remediation site)**
**Project Title:** **Template: SATRW Printed: 07/13/2004 13:18**

**Sample: 343965 Influent** **Collected: 07/06/04** **Analyzed: 07/09/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 2600 | ug/L | 1250 | 230 | 780 |
| Bromobenzene | ND | ug/L | 1250 | 250 | 870 |
| Bromochloromethane | ND | ug/L | 1250 | 260 | 900 |
| Bromodichloromethane | ND | ug/L | 1250 | 200 | 690 |
| Bromoform | ND | ug/L | 1250 | 230 | 780 |
| Bromomethane | ND | ug/L | 1250 | 390 | 1400 |
| n-Butylbenzene | ND | ug/L | 1250 | 190 | 660 |
| sec-Butylbenzene | ND | ug/L | 1250 | 220 | 770 |
| tert-Butylbenzene | ND | ug/L | 1250 | 220 | 740 |
| Carbon Tetrachloride | ND | ug/L | 1250 | 210 | 710 |
| Chlorobenzene | ND | ug/L | 1250 | 240 | 820 |
| Chloroethane | ND | ug/L | 1250 | 660 | 2300 |
| Chloroform | ND | ug/L | 1250 | 280 | 950 |
| Chloromethane | ND | ug/L | 1250 | 180 | 610 |
| 2-Chlorotoluene | ND | ug/L | 1250 | 240 | 810 |
| 4-Chlorotoluene | ND | ug/L | 1250 | 230 | 800 |
| Dibromochloromethane | ND | ug/L | 1250 | 260 | 900 |
| 1,2-Dibromo-3-Chloropropane | ND | ug/L | 1250 | 240 | 810 |
| 1,2-Dibromoethane | ND | ug/L | 1250 | 240 | 830 |
| Dibromomethane | ND | ug/L | 1250 | 260 | 910 |
| 1,2-Dichlorobenzene | ND | ug/L | 1250 | 260 | 910 |
| 1,3-Dichlorobenzene | ND | ug/L | 1250 | 240 | 820 |
| 1,4-Dichlorobenzene | ND | ug/L | 1250 | 300 | 1000 |
| Dichlorodifluoromethane | ND | ug/L | 1250 | 220 | 740 |
| 1,1-Dichloroethane | ND | ug/L | 1250 | 250 | 850 |
| 1,2-Dichloroethane | ND | ug/L | 1250 | 270 | 940 |
| 1,1-Dichloroethene | ND | ug/L | 1250 | 230 | 790 |
| cis-1,2-Dichloroethene | ND | ug/L | 1250 | 180 | 630 |
| trans-1,2-Dichloroethene | ND | ug/L | 1250 | 210 | 720 |
| 1,2-Dichloropropane | ND | ug/L | 1250 | 370 | 1300 |
| 1,3-Dichloropropane | ND | ug/L | 1250 | 260 | 910 |
| 2,2-Dichloropropane | ND | ug/L | 1250 | 150 | 520 |
| 1,1-Dichloropropene | ND | ug/L | 1250 | 240 | 820 |
| cis-1,3-Dichloropropene | ND | ug/L | 1250 | 190 | 660 |
| trans-1,3-Dichloropropene | ND | ug/L | 1250 | 200 | 690 |
| Ethylbenzene | ND | ug/L | 1250 | 230 | 780 |
| Hexachlorobutadiene | ND | ug/L | 1250 | 260 | 900 |
| Isopropylbenzene | ND | ug/L | 1250 | 240 | 830 |
| p-Isopropyltoluene | ND | ug/L | 1250 | 230 | 780 |
| Methylene chloride | ND | ug/L | 1250 | 220 | 760 |
| Naphthalene | 8900 | ug/L | 1250 | 300 | 1000 |
| n-Propylbenzene | ND | ug/L | 1250 | 240 | 830 |
| ortho-Xylene | [350] | ug/L | 1250 | 210 | 730 |
| Styrene | 1100 | ug/L | 1250 | 220 | 760 |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 1250 | 200 | 690 |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1250 | 280 | 960 |
| Tetrachloroethene | ND | ug/L | 1250 | 260 | 880 |
| Toluene | 1800 | ug/L | 1250 | 260 | 900 |
| 1,2,3-Trichlorobenzene | ND | ug/L | 1250 | 240 | 830 |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Sat 2000R)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82633**

**Project Description: Xcel Energy - Ashland (Remediation site)**

**Project Title:** **Template: SATRW** **Printed: 07/13/2004 13:18**

**Sample: 343965** **Influent** **Collected: 07/06/04** **Analyzed: 07/09/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | ND | ug/L | 1250 | 260 | 910 |
| 1,1,1-Trichloroethane | ND | ug/L | 1250 | 240 | 810 |
| 1,1,2-Trichloroethane | ND | ug/L | 1250 | 290 | 1000 |
| Trichloroethene | ND | ug/L | 1250 | 250 | 870 |
| Trichlorofluoromethane | ND | ug/L | 1250 | 250 | 860 |
| 1,2,3-Trichloropropane | ND | ug/L | 1250 | 290 | 1000 |
| 1,2,4-Trimethylbenzene | [240] | ug/L | 1250 | 220 | 760 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1250 | 220 | 780 |
| Vinyl chloride | ND | ug/L | 1250 | 190 | 670 |
| meta,para-Xylene | [540] | ug/L | 1250 | 390 | 1300 |
| MTBE | ND | ug/L | 1250 | 230 | 780 |
| Isopropyl Ether | ND | ug/L | 1250 | 260 | 910 |
| Dibromofluoromethane (SURR**) | 112% | | | | |
| Toluene-d8 (SURR**) | 120% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 114% | | | | |

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Sat 2000R)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82633**
**Project Description: Xcel Energy - Ashland (Remediation site)**
**Project Title:** **Template: SATRW Printed: 07/13/2004 13:18**

**Sample: 343966 Pre Carbon** **Collected: 07/06/04** **Analyzed: 07/12/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 9.8 | ug/L | 12.5 | 2.3 | 7.8 |
| Bromobenzene | ND | ug/L | 12.5 | 2.5 | 8.7 |
| Bromochloromethane | ND | ug/L | 12.5 | 2.6 | 9.0 |
| Bromodichloromethane | ND | ug/L | 12.5 | 2.0 | 6.9 |
| Bromoform | ND | ug/L | 12.5 | 2.3 | 7.8 |
| Bromomethane | ND | ug/L | 12.5 | 3.9 | 14 |
| n-Butylbenzene | ND | ug/L | 12.5 | 1.9 | 6.6 |
| sec-Butylbenzene | ND | ug/L | 12.5 | 2.2 | 7.7 |
| tert-Butylbenzene | ND | ug/L | 12.5 | 2.2 | 7.4 |
| Carbon Tetrachloride | ND | ug/L | 12.5 | 2.1 | 7.1 |
| Chlorobenzene | ND | ug/L | 12.5 | 2.4 | 8.2 |
| Chloroethane | ND | ug/L | 12.5 | 6.6 | 23 |
| Chloroform | ND | ug/L | 12.5 | 2.8 | 9.5 |
| Chloromethane | ND | ug/L | 12.5 | 1.8 | 6.1 |
| 2-Chlorotoluene | ND | ug/L | 12.5 | 2.4 | 8.1 |
| 4-Chlorotoluene | ND | ug/L | 12.5 | 2.3 | 8.0 |
| Dibromochloromethane | ND | ug/L | 12.5 | 2.6 | 9.0 |
| 1,2-Dibromo-3-Chloropropane | ND | ug/L | 12.5 | 2.4 | 8.1 |
| 1,2-Dibromoethane | ND | ug/L | 12.5 | 2.4 | 8.3 |
| Dibromomethane | ND | ug/L | 12.5 | 2.6 | 9.1 |
| 1,2-Dichlorobenzene | ND | ug/L | 12.5 | 2.6 | 9.1 |
| 1,3-Dichlorobenzene | ND | ug/L | 12.5 | 2.4 | 8.2 |
| 1,4-Dichlorobenzene | ND | ug/L | 12.5 | 3.0 | 10 |
| Dichlorodifluoromethane | ND | ug/L | 12.5 | 2.2 | 7.4 |
| 1,1-Dichloroethane | ND | ug/L | 12.5 | 2.5 | 8.5 |
| 1,2-Dichloroethane | ND | ug/L | 12.5 | 2.7 | 9.4 |
| 1,1-Dichloroethene | ND | ug/L | 12.5 | 2.3 | 7.9 |
| cis-1,2-Dichloroethene | ND | ug/L | 12.5 | 1.8 | 6.3 |
| trans-1,2-Dichloroethene | ND | ug/L | 12.5 | 2.1 | 7.2 |
| 1,2-Dichloropropane | ND | ug/L | 12.5 | 3.7 | 13 |
| 1,3-Dichloropropane | ND | ug/L | 12.5 | 2.6 | 9.1 |
| 2,2-Dichloropropane | ND | ug/L | 12.5 | 1.5 | 5.2 |
| 1,1-Dichloropropene | ND | ug/L | 12.5 | 2.4 | 8.2 |
| cis-1,3-Dichloropropene | ND | ug/L | 12.5 | 1.9 | 6.6 |
| trans-1,3-Dichloropropene | ND | ug/L | 12.5 | 2.0 | 6.9 |
| Ethylbenzene | ND | ug/L | 12.5 | 2.3 | 7.8 |
| Hexachlorobutadiene | ND | ug/L | 12.5 | 2.6 | 9.0 |
| Isopropylbenzene | ND | ug/L | 12.5 | 2.4 | 8.3 |
| p-Isopropyltoluene | ND | ug/L | 12.5 | 2.3 | 7.8 |
| Methylene chloride | ND | ug/L | 12.5 | 2.2 | 7.6 |
| Naphthalene | 110 | ug/L | 12.5 | 3.0 | 10 |
| n-Propylbenzene | ND | ug/L | 12.5 | 2.4 | 8.3 |
| ortho-Xylene | [4.9] | ug/L | 12.5 | 2.1 | 7.3 |
| Styrene | [6.9] | ug/L | 12.5 | 2.2 | 7.6 |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 12.5 | 2.0 | 6.9 |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 12.5 | 2.8 | 9.6 |
| Tetrachloroethene | ND | ug/L | 12.5 | 2.6 | 8.8 |
| Toluene | 10 | ug/L | 12.5 | 2.6 | 9.0 |
| 1,2,3-Trichlorobenzene | ND | ug/L | 12.5 | 2.4 | 8.3 |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Sat 2000R)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82633**

**Project Description: Xcel Energy - Ashland (Remediation site)**

**Project Title:** **Template: SATRW** **Printed: 07/13/2004 13:18**

**Sample: 343966** **Pre Carbon** **Collected: 07/06/04** **Analyzed: 07/12/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | ND | ug/L | 12.5 | 2.6 | 9.1 |
| 1,1,1-Trichloroethane | ND | ug/L | 12.5 | 2.4 | 8.1 |
| 1,1,2-Trichloroethane | ND | ug/L | 12.5 | 2.9 | 10 |
| Trichloroethene | ND | ug/L | 12.5 | 2.5 | 8.7 |
| Trichlorofluoromethane | ND | ug/L | 12.5 | 2.5 | 8.6 |
| 1,2,3-Trichloropropane | ND | ug/L | 12.5 | 2.9 | 10 |
| 1,2,4-Trimethylbenzene | 9.1 | ug/L | 12.5 | 2.2 | 7.6 |
| 1,3,5-Trimethylbenzene | [2.4] | ug/L | 12.5 | 2.2 | 7.8 |
| Vinyl chloride | ND | ug/L | 12.5 | 1.9 | 6.7 |
| meta,para-Xylene | [10] | ug/L | 12.5 | 3.9 | 13 |
| MTBE | ND | ug/L | 12.5 | 2.3 | 7.8 |
| Isopropyl Ether | ND | ug/L | 12.5 | 2.6 | 9.1 |
| Dibromofluoromethane (SURR**) | 124% | | | | |
| Toluene-d8 (SURR**) | 120% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 115% | | | | |

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Sat 2000R)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82633**
**Project Description: Xcel Energy - Ashland (Remediation site)**
**Project Title:** **Template: SATRW Printed: 07/13/2004 13:18**

**Sample: 343967 Effluent** **Collected: 07/06/04** **Analyzed: 07/09/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.18 | 0.62 |
| Bromobenzene | ND | ug/L | 1 | 0.20 | 0.70 |
| Bromochloromethane | ND | ug/L | 1 | 0.21 | 0.72 |
| Bromodichloromethane | ND | ug/L | 1 | 0.16 | 0.55 |
| Bromoform | ND | ug/L | 1 | 0.18 | 0.63 |
| Bromomethane | ND | ug/L | 1 | 0.31 | 1.1 |
| n-Butylbenzene | ND | ug/L | 1 | 0.15 | 0.53 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.18 | 0.61 |
| tert-Butylbenzene | ND | ug/L | 1 | 0.17 | 0.59 |
| Carbon Tetrachloride | ND | ug/L | 1 | 0.17 | 0.57 |
| Chlorobenzene | ND | ug/L | 1 | 0.19 | 0.65 |
| Chloroethane | ND | ug/L | 1 | 0.53 | 1.8 |
| Chloroform | ND | ug/L | 1 | 0.22 | 0.76 |
| Chloromethane | ND | ug/L | 1 | 0.14 | 0.48 |
| 2-Chlorotoluene | ND | ug/L | 1 | 0.19 | 0.65 |
| 4-Chlorotoluene | ND | ug/L | 1 | 0.19 | 0.64 |
| Dibromochloromethane | ND | ug/L | 1 | 0.21 | 0.72 |
| 1,2-Dibromo-3-Chloropropane | ND | ug/L | 1 | 0.19 | 0.65 |
| 1,2-Dibromoethane | ND | ug/L | 1 | 0.19 | 0.66 |
| Dibromomethane | ND | ug/L | 1 | 0.21 | 0.73 |
| 1,2-Dichlorobenzene | ND | ug/L | 1 | 0.21 | 0.73 |
| 1,3-Dichlorobenzene | ND | ug/L | 1 | 0.19 | 0.65 |
| 1,4-Dichlorobenzene | ND | ug/L | 1 | 0.24 | 0.83 |
| Dichlorodifluoromethane | ND | ug/L | 1 | 0.17 | 0.59 |
| 1,1-Dichloroethane | ND | ug/L | 1 | 0.20 | 0.68 |
| 1,2-Dichloroethane | ND | ug/L | 1 | 0.22 | 0.75 |
| 1,1-Dichloroethene | ND | ug/L | 1 | 0.18 | 0.63 |
| cis-1,2-Dichloroethene | ND | ug/L | 1 | 0.15 | 0.50 |
| trans-1,2-Dichloroethene | ND | ug/L | 1 | 0.17 | 0.58 |
| 1,2-Dichloropropane | ND | ug/L | 1 | 0.29 | 1.0 |
| 1,3-Dichloropropane | ND | ug/L | 1 | 0.21 | 0.72 |
| 2,2-Dichloropropane | ND | ug/L | 1 | 0.12 | 0.42 |
| 1,1-Dichloropropene | ND | ug/L | 1 | 0.19 | 0.66 |
| cis-1,3-Dichloropropene | ND | ug/L | 1 | 0.15 | 0.53 |
| trans-1,3-Dichloropropene | ND | ug/L | 1 | 0.16 | 0.55 |
| Ethylbenzene | ND | ug/L | 1 | 0.18 | 0.63 |
| Hexachlorobutadiene | ND | ug/L | 1 | 0.20 | 0.72 |
| Isopropylbenzene | ND | ug/L | 1 | 0.19 | 0.67 |
| p-Isopropyltoluene | ND | ug/L | 1 | 0.18 | 0.63 |
| Methylene chloride | ND | ug/L | 1 | 0.18 | 0.61 |
| Naphthalene | [0.59] | ug/L | 1 | 0.24 | 0.84 |
| n-Propylbenzene | ND | ug/L | 1 | 0.19 | 0.66 |
| ortho-Xylene | ND | ug/L | 1 | 0.17 | 0.59 |
| Styrene | ND | ug/L | 1 | 0.18 | 0.61 |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 1 | 0.16 | 0.55 |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1 | 0.22 | 0.77 |
| Tetrachloroethene | ND | ug/L | 1 | 0.20 | 0.71 |
| Toluene | ND | ug/L | 1 | 0.21 | 0.72 |
| 1,2,3-Trichlorobenzene | ND | ug/L | 1 | 0.19 | 0.66 |

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Sat 2000R)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82633**
**Project Description: Xcel Energy - Ashland (Remediation site)**
***Project Title:*** ***Template: SATRW Printed: 07/13/2004 13:18***

**Sample: 343967 Effluent** **Collected: 07/06/04** **Analyzed: 07/09/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | ND | ug/L | 1 | 0.21 | 0.73 |
| 1,1,1-Trichloroethane | ND | ug/L | 1 | 0.19 | 0.65 |
| 1,1,2-Trichloroethane | ND | ug/L | 1 | 0.23 | 0.80 |
| Trichloroethene | ND | ug/L | 1 | 0.20 | 0.69 |
| Trichlorofluoromethane | ND | ug/L | 1 | 0.20 | 0.69 |
| 1,2,3-Trichloropropane | ND | ug/L | 1 | 0.23 | 0.80 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.18 | 0.61 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.18 | 0.62 |
| Vinyl chloride | ND | ug/L | 1 | 0.15 | 0.53 |
| meta,para-Xylene | ND | ug/L | 1 | 0.31 | 1.1 |
| MTBE | ND | ug/L | 1 | 0.18 | 0.62 |
| Isopropyl Ether | ND | ug/L | 1 | 0.21 | 0.73 |
| Dibromofluoromethane (SURR**) | 105% | | | | |
| Toluene-d8 (SURR**) | 110% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 105% | | | | |

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Sat 2000R)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82633**
**Project Description: Xcel Energy - Ashland (Remediation site)**
**Project Title:** **Template: SATRW Printed: 07/13/2004 13:18**

**Sample: 343968 Trip Blank** **Collected: 07/06/04** **Analyzed: 07/09/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.18 | 0.62 |
| Bromobenzene | ND | ug/L | 1 | 0.20 | 0.70 |
| Bromochloromethane | ND | ug/L | 1 | 0.21 | 0.72 |
| Bromodichloromethane | ND | ug/L | 1 | 0.16 | 0.55 |
| Bromoform | ND | ug/L | 1 | 0.18 | 0.63 |
| Bromomethane | ND | ug/L | 1 | 0.31 | 1.1 |
| n-Butylbenzene | ND | ug/L | 1 | 0.15 | 0.53 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.18 | 0.61 |
| tert-Butylbenzene | ND | ug/L | 1 | 0.17 | 0.59 |
| Carbon Tetrachloride | ND | ug/L | 1 | 0.17 | 0.57 |
| Chlorobenzene | ND | ug/L | 1 | 0.19 | 0.65 |
| Chloroethane | ND | ug/L | 1 | 0.53 | 1.8 |
| Chloroform | ND | ug/L | 1 | 0.22 | 0.76 |
| Chloromethane | ND | ug/L | 1 | 0.14 | 0.48 |
| 2-Chlorotoluene | ND | ug/L | 1 | 0.19 | 0.65 |
| 4-Chlorotoluene | ND | ug/L | 1 | 0.19 | 0.64 |
| Dibromochloromethane | ND | ug/L | 1 | 0.21 | 0.72 |
| 1,2-Dibromo-3-Chloropropane | ND | ug/L | 1 | 0.19 | 0.65 |
| 1,2-Dibromoethane | ND | ug/L | 1 | 0.19 | 0.66 |
| Dibromomethane | ND | ug/L | 1 | 0.21 | 0.73 |
| 1,2-Dichlorobenzene | ND | ug/L | 1 | 0.21 | 0.73 |
| 1,3-Dichlorobenzene | ND | ug/L | 1 | 0.19 | 0.65 |
| 1,4-Dichlorobenzene | ND | ug/L | 1 | 0.24 | 0.83 |
| Dichlorodifluoromethane | ND | ug/L | 1 | 0.17 | 0.59 |
| 1,1-Dichloroethane | ND | ug/L | 1 | 0.20 | 0.68 |
| 1,2-Dichloroethane | ND | ug/L | 1 | 0.22 | 0.75 |
| 1,1-Dichloroethene | ND | ug/L | 1 | 0.18 | 0.63 |
| cis-1,2-Dichloroethene | ND | ug/L | 1 | 0.15 | 0.50 |
| trans-1,2-Dichloroethene | ND | ug/L | 1 | 0.17 | 0.58 |
| 1,2-Dichloropropane | ND | ug/L | 1 | 0.29 | 1.0 |
| 1,3-Dichloropropane | ND | ug/L | 1 | 0.21 | 0.72 |
| 2,2-Dichloropropane | ND | ug/L | 1 | 0.12 | 0.42 |
| 1,1-Dichloropropene | ND | ug/L | 1 | 0.19 | 0.66 |
| cis-1,3-Dichloropropene | ND | ug/L | 1 | 0.15 | 0.53 |
| trans-1,3-Dichloropropene | ND | ug/L | 1 | 0.16 | 0.55 |
| Ethylbenzene | ND | ug/L | 1 | 0.18 | 0.63 |
| Hexachlorobutadiene | ND | ug/L | 1 | 0.20 | 0.72 |
| Isopropylbenzene | ND | ug/L | 1 | 0.19 | 0.67 |
| p-Isopropyltoluene | ND | ug/L | 1 | 0.18 | 0.63 |
| Methylene chloride | ND | ug/L | 1 | 0.18 | 0.61 |
| Naphthalene | ND | ug/L | 1 | 0.24 | 0.84 |
| n-Propylbenzene | ND | ug/L | 1 | 0.19 | 0.66 |
| ortho-Xylene | ND | ug/L | 1 | 0.17 | 0.59 |
| Styrene | ND | ug/L | 1 | 0.18 | 0.61 |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 1 | 0.16 | 0.55 |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1 | 0.22 | 0.77 |
| Tetrachloroethene | ND | ug/L | 1 | 0.20 | 0.71 |
| Toluene | ND | ug/L | 1 | 0.21 | 0.72 |
| 1,2,3-Trichlorobenzene | ND | ug/L | 1 | 0.19 | 0.66 |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Sat 2000R)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 82633**

**Project Description: Xcel Energy - Ashland (Remediation site)**

**Project Title:** **Template: SATRW** **Printed: 07/13/2004 13:18**

**Sample: 343968** **Trip Blank** **Collected: 07/06/04** **Analyzed: 07/09/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | ND | ug/L | 1 | 0.21 | 0.73 |
| 1,1,1-Trichloroethane | ND | ug/L | 1 | 0.19 | 0.65 |
| 1,1,2-Trichloroethane | ND | ug/L | 1 | 0.23 | 0.80 |
| Trichloroethene | ND | ug/L | 1 | 0.20 | 0.69 |
| Trichlorofluoromethane | ND | ug/L | 1 | 0.20 | 0.69 |
| 1,2,3-Trichloropropane | ND | ug/L | 1 | 0.23 | 0.80 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.18 | 0.61 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.18 | 0.62 |
| Vinyl chloride | ND | ug/L | 1 | 0.15 | 0.53 |
| meta,para-Xylene | ND | ug/L | 1 | 0.31 | 1.1 |
| MTBE | ND | ug/L | 1 | 0.18 | 0.62 |
| Isopropyl Ether | ND | ug/L | 1 | 0.21 | 0.73 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 99% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

TestAmerica
ANALYTICAL TESTING CORPORATION 704 ENTERPRISE DRIVE · CEDAR FALLS, IA 50613 · 319-277-2401 · 800-750-2401 · FAX 319-277-2425

# ANALYTICAL REPORT

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54 Park Place
Suite 950
Appleton, WI 54914

07/15/2004

TestAmerica Job: 04.09146

Project Number: IH-Xcel Energy - Ashland
Project: IH-Xcel Energy - Ashland

Enclosed is the Analytical Reports for the following samples submitted to the Cedar Falls Division of TestAmerica Analytical Testing Corporation for analysis.

| Sample Number | Sample Description | Date Taken | Date Received |
|---|---|---|---|
| 809903 | Air Stripper | 07/06/2004 | 07/12/2004 |
| 809904 | 1st Stage Carbon | 07/06/2004 | 07/12/2004 |
| 809905 | Air Effluent | 07/06/2004 | 07/12/2004 |

TestAmerica Analytical Testing Corporation AIHA Lab Accreditation Number 285

Laboratory Director - Michael K. McGee, CIH

TestAmerica Analytical Testing Corporation certifies that the analytical results contained herein apply only to the specific samples analyzed.

Reproduction of this analytical report is permitted only in its entirety.

Brian C. Graettinger
Project Manager

TestAmerica
ANALYTICAL TESTING CORPORATION 704 ENTERPRISE DRIVE · CEDAR FALLS, IA 50613 · 319-277-2401 · 800-750-2401 · FAX 319-277-24



# ANALYTICAL REPORT

Bert Cole
URS CORPORATION
54 Park Place
Suite 950
Appleton, WI 54914

07/15/2004

Date Received: 07/12/2004

XCEL ENERGY - ASHLAND
CC:DAVE TRAINOR NEWFIELDS CC: BEN NELSON URS-MILWAUKEE

Job Number: 04.09146

| | Result | Units | Result Flag | Date Taken | Date Analyzed | Analyst | Analysis Method | Quantitation Limit |
|---|---|---|---|---|---|---|---|---|
| 809903 Air Stripper | | | | | | | | |
| Air Volume | 3.0 | Liters | | 07/06/2004 | 07/15/2004 | bcg | | |
| Benzene (UST) | <0.020 | mg | | 07/06/2004 | 07/14/2004 | eee | NIOSH 1501 | 0.020 |
| Benzene | <6.67 | mg/m3 | | 07/06/2004 | 07/15/2004 | bcg | N1501 | |
| Ethyl Benzene (UST) | <0.020 | mg | | 07/06/2004 | 07/14/2004 | eee | NIOSH 1501 | 0.020 |
| Ethylbenzene | <6.67 | mg/m3 | | 07/06/2004 | 07/15/2004 | bcg | N1501 | |
| Hydrocarbons, Total (UST) | 0.325 | mg | | 07/06/2004 | 07/14/2004 | eee | NIOSH 1550 | 0.030 |
| Hydrocarbons, Total | 108 | mg/m3 | | 07/06/2004 | 07/15/2004 | bcg | N1550 | |
| Toluene (UST) | <0.020 | mg | | 07/06/2004 | 07/14/2004 | eee | NIOSH 1501 | 0.020 |
| Toluene | <6.67 | mg/m3 | | 07/06/2004 | 07/15/2004 | bcg | N1501 | |
| Xylenes, Total (UST) | <0.030 | mg | | 07/06/2004 | 07/14/2004 | eee | NIOSH 1501 | 0.030 |
| Xylenes, Total | <10.0 | mg/m3 | | 07/06/2004 | 07/15/2004 | bcg | N1501 | |
| 809904 1st Stage Carbon | | | | | | | | |
| Air Volume | 3.0 | Liters | | 07/06/2004 | 07/15/2004 | bcg | | |
| Benzene (UST) | <0.020 | mg | | 07/06/2004 | 07/14/2004 | eee | NIOSH 1501 | 0.020 |
| Benzene | <6.67 | mg/m3 | | 07/06/2004 | 07/15/2004 | bcg | N1501 | |
| Ethyl Benzene (UST) | <0.020 | mg | | 07/06/2004 | 07/14/2004 | eee | NIOSH 1501 | 0.020 |
| Ethylbenzene | <6.67 | mg/m3 | | 07/06/2004 | 07/15/2004 | bcg | N1501 | |
| Hydrocarbons, Total (UST) | 0.069 | mg | | 07/06/2004 | 07/14/2004 | eee | NIOSH 1550 | 0.030 |
| Hydrocarbons, Total | 23.01 | mg/m3 | | 07/06/2004 | 07/15/2004 | bcg | N1550 | |
| Toluene (UST) | <0.020 | mg | | 07/06/2004 | 07/14/2004 | eee | NIOSH 1501 | 0.020 |

TOTAL HYDROCARBONS QUANTIFIED AS: Gasoline

Results are not blank corrected.

This report shall not be reproduced except in full without the written approval of the laboratory.

Results relate only to the items tested.

TestAmerica
ANALYTICAL TESTING CORPORATION 704 ENTERPRISE DRIVE · CEDAR FALLS, IA 50613 · 319-277-2401 · 800-750-2401 · FAX 319-277-2425



# ANALYTICAL REPORT

Bert Cole
URS CORPORATION
54 Park Place
Suite 950
Appleton, WI 54914

07/15/2004

Date Received: 07/12/2004

XCEL ENERGY - ASHLAND
CC:DAVE TRAINOR NEWFIELDS CC: BEN NELSON URS-MILWAUKEE
Job Number: 04.09146

| | Result | Units | Result Flag | Date Taken | Date Analyzed | Analyst | Analysis Method | Quantitation Limit |
|---|---|---|---|---|---|---|---|---|
| 809904 1st Stage Carbon | | | | | | | | |
| Toluene | <6.67 | mg/m3 | | 07/06/2004 | 07/15/2004 | bcg | N1501 | |
| Xylenes, Total (UST) | <0.030 | mg | | 07/06/2004 | 07/14/2004 | eee | NIOSH 1501 | 0.030 |
| Xylenes, Total | <10.0 | mg/m3 | | 07/06/2004 | 07/15/2004 | bcg | N1501 | |
| 809905 Air Effluent | | | | | | | | |
| Air Volume | 5.0 | Liters | | 07/06/2004 | 07/15/2004 | bcg | | |
| Benzene (UST) | <0.020 | mg | | 07/06/2004 | 07/14/2004 | eee | NIOSH 1501 | 0.020 |
| Benzene | <4.00 | mg/m3 | | 07/06/2004 | 07/15/2004 | bcg | N1501 | |
| Ethyl Benzene (UST) | <0.020 | mg | | 07/06/2004 | 07/14/2004 | eee | NIOSH 1501 | 0.020 |
| Ethylbenzene | <4.00 | mg/m3 | | 07/06/2004 | 07/15/2004 | bcg | N1501 | |
| Hydrocarbons, Total (UST) | 0.084 | mg | | 07/06/2004 | 07/14/2004 | eee | NIOSH 1550 | 0.030 |
| Hydrocarbons, Total | 16.8 | mg/m3 | | 07/06/2004 | 07/15/2004 | bcg | N1550 | |
| Toluene (UST) | <0.020 | mg | | 07/06/2004 | 07/14/2004 | eee | NIOSH 1501 | 0.020 |
| Toluene | <4.00 | mg/m3 | | 07/06/2004 | 07/15/2004 | bcg | N1501 | |
| Xylenes, Total (UST) | <0.030 | mg | | 07/06/2004 | 07/14/2004 | eee | NIOSH 1501 | 0.030 |
| Xylenes, Total | <6.00 | mg/m3 | | 07/06/2004 | 07/15/2004 | bcg | N1501 | |

TOTAL HYDROCARBONS QUANTIFIED AS: Gasoline

Results are not blank corrected.

This report shall not be reproduced except in full without the written approval of the laboratory.
Results relate only to the items tested.

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

Wisconsin Lab Cert. No. 721026460
WI DATCP 105-000330

**NORTHERN LAKE SERVICE, INC.**
Analytical Laboratory and Environmental Services
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060

| | |
|---|---|
| CLIENT: URS | |
| ADDRESS: 10200 Innovation Dr. Ste 500 | |
| CITY: Milwaukee | STATE: WI / ZIP: 53226 |
| PROJECT DESCRIPTION / NO.: Xcel Ashland-25688375 | QUOTATION NO.: |
| DNR FID #: | DNR LICENSE #: |
| CONTACT: Ben Nelson | PHONE: 414.831.4156 |
| PURCHASE ORDER NO.: | FAX: 414.831.4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

NO. 69743

| ITEM NO. | NLS LAB. NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | ANALYZE PER ORDER OF ANALYSIS | VOC 8260B (G) | SVOC 8270C (G) | Tot. Cyanide (G) | Total Metals (G) | Diss. Metals (G) | | | | | | | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 341813 | NS-GW-MW-13C-0604 | 6-14-04 | 1030 | GW | | X | X | X | X | X | | | | | | | *Hexachrome collected after 1390 |
| 2. | 341814 | NS-GW-MW-13D-0604 | | 1035 | | | X | X | X | X | X | | | | | | | *Same as line 1 |
| 3. | 341815 | NS-GW-MW-9A-0604 | | 1240 | | | X | X | X | X | X | | | | | | | |
| 4. | 341816 | NS-GW-[illegible] | | 13:00 | | | X | X | X | X | X | | | | | | | |
| 5. | 341817 | NS-GW-[illegible] | | 13:30 | | | X | X | X | X | X | | | | | | | |
| 6. | 341818 | NS-GW-MW-9B-0604 | | 1245 | | | X | X | X | X | X | | | | | | | |
| 7. | | | | | | | | | | | | | | | | | | |
| 8. | 341819 | Trip Blank | | | | | X | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature): [signature] | CUSTODY SEAL NO. (IF ANY): | DATE/TIME: 6-14-04 1600 |
| RELINQUISHED BY (signature): [signature] | RECEIVED BY (signature): | DATE/TIME: |
| DISPATCHED BY (signature): | METHOD OF TRANSPORT: UPS | DATE/TIME: |

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature): [signature] | DATE/TIME: 6/15/04 10:15 | CONDITION: Ok | TEMP. |
| COOLER #: 4X-74 | REMARKS & OTHER INFORMATION | | |
| | WDNR FACILITY NUMBER | E-MAIL ADDRESS | |

REPORT TO: Ben Nelson

INVOICE TO: Ben Nelson

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

**IMPORTANT:**
1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGRE[illegible] STANDARD TERMS & CONDITIONS ON REVERSE.

DUPLIC[illegible] COPY

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

Wisconsin Lab Cert. No. 721026460
WI DATCP 105-000330

**NORTHERN LAKE SERVICE, INC.**
Analytical Laboratory and Environmental Services
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060

2 of 2

NO. 69744

| | |
|---|---|
| CLIENT: URS Corp | |
| ADDRESS: 10200 Innovation Dr. Ste 500 | |
| CITY: Milwaukee | STATE: WI / ZIP: 53226 |
| PROJECT DESCRIPTION / NO.: Keel Ashland-25688375 | QUOTATION NO.: |
| DNR FID #: | DNR LICENSE #: |
| CONTACT: Ben Nelson | PHONE: 414.831.4100 |
| PURCHASE ORDER NO.: | FAX: 414.831.4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS

| ITEM NO. | NLS LAB NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | | VOC (8260B) | SVOC (8270C) | Tot. Cyanide | Total Metals | Diss. Metals | Hexachrome | | | | | | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 541985 | NS-GW-MW-14-0604 | 6-15-04 | 1400 | GW | | X | X | X | X | X | X | | | | | | |
| 2. | | | | | | | | | | | | | | | | | | |
| 3. | | | | | | | | | | | | | | | | | | |
| 4. | | | | | | | | | | | | | | | | | | |
| 5. | | | | | | | | | | | | | | | | | | |
| 6. | | | | | | | | | | | | | | | | | | |
| 7. | | | | | | | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature): [signature] | CUSTODY SEAL NO. (IF ANY): | DATE/TIME: 6-15-04 1510 |
| RELINQUISHED BY (signature): [signature] | RECEIVED BY (signature): | DATE/TIME: |
| DISPATCHED BY (signature): | METHOD OF TRANSPORT: UPS | DATE/TIME: |

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature): [signature] | DATE/TIME: 6/16/04 10:15 | CONDITION: on ice | TEMP.: |
| COOLER #: | REMARKS & OTHER INFORMATION: | | |
| | WDNR FACILITY NUMBER: | E-MAIL ADDRESS: | |

REPORT TO: Ben Nelson

INVOICE TO: Ben Nelson

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT:
1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

**NORTHERN LAKE SERVICE, INC.** 1 of 2
*Analytical Laboratory and Environmental Services*
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060

*Wisconsin Lab Cert. No. 721026460*
*WI DATCP 105-000330*

NO. 69757

| | |
|---|---|
| CLIENT: URS | |
| ADDRESS: 10200 Innovation Dr. Ste 500 | |
| CITY: Milwaukee | STATE: WI / ZIP: 53226 |
| PROJECT DESCRIPTION / NO.: Xcel Ashland-25688375 | QUOTATION NO. |
| DNR FID # | DNR LICENSE # |
| CONTACT: Ben Nelson | PHONE: 414.831.4156 |
| PURCHASE ORDER NO. | FAX: 414.831.4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS

| ITEM NO. | NLS LAB NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | VOC (8260B) | SVOC (8270C) | Tot. Cyanide | Total Metals | Diss. Metals | Chromium 6 | | | | | | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 3/1975 | NS-GW-MW-05-0604 | 6-15-04 | 0845 | GW | X | X | X | X | X | X | | | | | | Hexachrome collected after 1300 |
| 2. | 3/1976 | NS-GW-MW05B-0604 | | 0900 | | X | X | X | X | X | X | | | | | | Same as line 1 |
| 3. | 3/1977 | NS-GW-MW05C-0604 | | 0920 | | X | X | X | X | X | X | | | | | | Same as line 1 |
| 4. | 3/1978 | NS-GW-Dup1-0604 | | 0930 | | X | X | X | X | X | X | | | | | | Same as line 1 |
| 5. | 3/1979 | NS-GW-MW01-0604 | | 0950 | | X | X | X | X | X | X | | | | | | Same as line 1 |
| 6. | 3/1980 | NS-GW-MW05A-0604 | | 1010 | | X | X | X | X | X | X | | | | | | Same as line 1 |
| 7. | 3/1981 | NS-GW-MW04A-0604 | | 1140 | | X | X | X | X | X | X | | | | | | Hexachrome collected after 1230 |
| 8. | 3/1982 | NS-GW-MW04-0604 | | 1145 | | X | X | X | X | X | X | | | | | | Same as line 7 |
| 9. | 3/1983 | NS-GW-MW04B-0604 | | 1210 | | X | X | X | X | X | X | | | | | | |
| 10. | 3/1984 | Trip Blank | | | | X | | | | | | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature): [signature] | CUSTODY SEAL NO. (IF ANY) | DATE/TIME: 6-15-04 1510 |
| RELINQUISHED BY (signature): [signature] | RECEIVED BY (signature) | DATE/TIME |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT: UPS | DATE/TIME |

REPORT TO: Ben Nelson

INVOICE TO: Ben Nelson

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature): [signature] | DATE/TIME: 6/16/04 10:15 | CONDITION: On Ice | TEMP. |
| COOLER #: 48.1 48.104 48-137 | REMARKS & OTHER INFORMATION | | |
| | WDNR FACILITY NUMBER | E-MAIL ADDRESS | |

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

**IMPORTANT:**
1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGR[illegible] STANDARD TERMS & CONDITIONS ON REVERSE.

DUPLI[illegible] COPY

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

Wisconsin Lab Cert. No. 721026460
WI DATCP 105-000330

**NORTHERN LAKE SERVICE, INC.**
Analytical Laboratory and Environmental Services
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060

NO. 69746

| | |
|---|---|
| CLIENT | URS |
| ADDRESS | 10200 Innovation Dr. Ste. 500 |
| CITY | MILWAUKEE |
| STATE | WI |
| ZIP | 53226 |
| PROJECT DESCRIPTION / NO. | Keel Ashland 25688375 |
| QUOTATION NO. | |
| DNR FID # | |
| DNR LICENSE # | |
| CONTACT | Ben Nelson |
| PHONE | 414.831.4156 |
| PURCHASE ORDER NO. | |
| FAX | 414.831.4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS

| ITEM NO. | NLS LAB NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | | VOC (8260B) | SVOC (8270C) | Tot. Cyanide | Total Metals | Diss. Metals | Hexachrome | | | | | | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | N | N | N | N | Y | Y | | | | | | |
| 1. | 342126 | NS-GW-MW-17-0604 | 6-16-04 | 0850 | GW | | X | X | X | X | X | X | | | | | | Hexachrome collected after 1300 |
| 2. | 342127 | NS-GW-MW-17A-0604 | | 0915 | | | X | X | X | X | X | X | | | | | | Same as line 1 |
| 3. | 342128 | NS-GW-MW-6-0604 | | 1300 | | | X | | | X | X | X | | | | | | sinco cyanide bottles will be sent on 6/1 |
| 4. | 342129 | NS-GW-MW-6A-0604 | | 1005 | | | X | X | X | X | X | X | | | | | | Same as line 1 |
| 5. | 342130 | NS-GW-MW-15-0604 | | 1045 | | | X | X | X | X | X | X | | | | | | Same as line 1 |
| 6. | 342131 | NS-GW-MW-11-0604 | | 1130 | | | X | X | X | X | X | X | | | | | | Same as line 1 |
| 7. | 342132 | NS-GW-MW-19A-0604 | | 1210 | | | X | X | X | X | X | X | | | | | | |
| 8. | 342133 | ~~NS-GW-MW~~ NS-GW-DUP2-0604 | | 1215 | | | X | X | X | X | X | X | | | | | | |
| 9. | 342134 | NS-GW-MW-19B-0604 | | 1220 | | | X | X | X | X | X | X | | | | | | |
| 10. | 342135 | Trip Blank | | | | | X | | | | | | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature) | CUSTODY SEAL NO. (IF ANY) | DATE/TIME 6-16-04 1500 |
| RELINQUISHED BY (signature) | RECEIVED BY (signature) | DATE/TIME |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT UPS | DATE/TIME |

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature) | DATE/TIME 6/17/04 10:00 | CONDITION Good | TEMP. |
| COOLER # 48-58 | REMARKS & OTHER INFORMATION | | |
| | WDNR FACILITY NUMBER | E-MAIL ADDRESS | |

REPORT TO: Ben Nelson

INVOICE TO: Ben Nelson

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT:
1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD


**NORTHERN LAKE SERVICE, INC.**

*Analytical Laboratory and Environmental Services*

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

*Wisconsin Lab Cert. No. 721026460*

*WI DATCP 105-000330*


NO. 69748

| | |
|---|---|
| CLIENT | URS |
| ADDRESS | 10200 Innovation Dr. Suite 500 |
| CITY / STATE / ZIP | Milwaukee / WI / 53226 |
| PROJECT DESCRIPTION / NO. | Neal-Ashland 25688575 |
| QUOTATION NO. | |
| DNR FID # | |
| DNR LICENSE # | |
| CONTACT | Ben Nelson |
| PHONE | 414.831.4156 |
| PURCHASE ORDER NO. | |
| FAX | 414.831.4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

| ITEM NO. | NLS LAB NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | VOC (8260B) | SVOC (8270C) | Tot. Cyanide | Total Metals | Diss. Metals | Hexachrome | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | N | N | N | N | Y | Y | |
| 1. | 342381 | NS-GW-MW28R-0604 | 6-17-04 | 0945 | GW | X | X | X | X | X | X | Hexachrome collected after 1300 |
| 2. | 342382 | NS-GW-MW2C-0604 | " | 1000 | " | X | X | X | X | X | X | Same as line 1 |
| 3. | | NS-GW-MW2C-MS/MSD-0604 | " | 1340 | " | X | X | X | X | X | X | Same as line 1 |
| 4. | 342383 | NS-GW-MW18B-0604 | " | 1220 | " | X | X | X | X | X | X | Same as line 1 |
| 5. | 342384 | NS-GW-MW-18A-0604 | " | 1020 | " | X | X | X | X | X | X | Same as line 1 |
| 6. | 342385 | NS-GW-MW22A-0604 | " | 1310 | " | X | X | X | X | X | X | |
| 7. | 342386 | NS-GW-MW22B-0604 | " | 1300 | " | X | X | X | X | X | X | |
| 8. | 342387 | NS-GW-Dup3-0604 | " | 1305 | " | X | X | X | X | X | X | |
| 9. | 342388 | Trip Blank | | | | X | | | | | | |
| 10. | | | | | | | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature) | CUSTODY SEAL NO. (IF ANY) | DATE/TIME 6-17-04 1500 |
| RELINQUISHED BY (signature) | RECEIVED BY (signature) | DATE/TIME |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT UPS | DATE/TIME |

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature) | DATE/TIME 6/18/04 1100 | CONDITION Cool | TEMP. |
| COOLER # 48-151, 48-77 | REMARKS & OTHER INFORMATION Hexachrome & diss. metals field filtered | | |
| | WDNR FACILITY NUMBER | E-MAIL ADDRESS | |

REPORT TO: Ben Nelson

INVOICE TO: Ben Nelson

PRESERVATIVE: NP = no preservative; S = sulfuric acid; N = nitric acid; Z = zinc acetate; M = methanol; OH = sodium hydroxide; HA = hydrochloric & ascorbic acid; H = hydrochloric acid

IMPORT

1. TO MEET REGULATORY REQUIREMENTS, THIS FORM MUST BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, NOT PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.

LISTED AS REPORT TO AND LISTED AS INVOICE TO TO STANDARD TERMS & CONDITIONS ON REVERSE.

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD


**NORTHERN LAKE SERVICE, INC.**

*Analytical Laboratory and Environmental Services*

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

*Wisconsin Lab Cert. No. 721026460*

*WI DATCP 105-000330*


NO. 69756

| | |
|---|---|
| CLIENT | URS |
| ADDRESS | 10200 Innovation Dr. Ste. 500 |
| CITY / STATE / ZIP | Milwaukee / WI / 53226 |
| PROJECT DESCRIPTION / NO. | Keel Asland 25688375 |
| QUOTATION NO. | |
| DNR FID # | |
| DNR LICENSE # | |
| CONTACT | Ben Nelson |
| PHONE | 4148314156 |
| PURCHASE ORDER NO. | |
| FAX | 4148314101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS

| ITEM NO. | NLS LAB NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | | VOC (8260B) | SVOC (8270C) | Tot Cyanide | Total Metals | Diss Metals | Hexachrome | | | | | | | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | N | N | N | N | Y | Y | | | | | | | |
| 1. | 342533 | NS-GW-MW03-0604 | 6-18-04 | 0815 | GW | | X | X | X | X | X | X | | | | | | | |
| 2. | 342534 | NS-GW-MW03A-0604 | | 0830 | | | X | X | X | X | X | X | | | | | | | |
| 3. | 342535 | NS-GW-MW13A-0604 | | 0915 | | | X | X | X | X | X | X | | | | | | | |
| 4. | 342536 | NS-GW-MW03-0604 | | 0945 | | | X | X | X | X | X | X | | | | | | | |
| 5. | 342537 | NS-GW-TW13-0604 | | 0900 | | | X | X | X | X | X | X | | | | | | | |
| 6. | 342538 | NS-GW-MW20A-0604 | | 1100 | | | X | X | X | X | X | X | | | | | | | |
| 7. | 342539 | NS-GW-AW01-0604 | | 1130 | | | X | X | X | X | X | X | | | | | | | |
| 8. | 342540 | NS-GW-AW02-0604 | | 1145 | | | X | X | X | X | X | X | | | | | | | |
| 9. | 342541 | Trip Blank | | | | | X | MA | BRN | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature) | CUSTODY SEAL NO. (IF ANY) | DATE/TIME 6-18-04 1450 |
| RELINQUISHED BY (signature) | RECEIVED BY (signature) | DATE/TIME |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT: NLS Courier | DATE/TIME |

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature) | DATE/TIME 6-18-04 | CONDITION Good | TEMP. ICE |
| COOLER # | REMARKS & OTHER INFORMATION 1115:00 | | |
| | WDNR FACILITY NUMBER | E-MAIL ADDRESS | |

REPORT TO: Ben Nelson

INVOICE TO: Ben Nelson

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT

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3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

ORIGINAL COPY

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

Wisconsin Lab Cert. No. 721026460
WI DATCP 105-000330

**NORTHERN LAKE SERVICE, INC.**
Analytical Laboratory and Environmental Services
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060

NO. 69747

| | |
|---|---|
| CLIENT: URS | |
| ADDRESS: 10200 Innovation Dr. Ste 500 | |
| CITY: Milwaukee | STATE: WI / ZIP: 53226 |
| PROJECT DESCRIPTION / NO.: Keel-Ashland 25638375 | QUOTATION NO.: |
| DNR FID #: | DNR LICENSE #: |
| CONTACT: Ben Nelson | PHONE: 414.831.4156 |
| PURCHASE ORDER NO.: | FAX: 414.831.4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS

| ITEM NO. | NLS LAB NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | VOC (8260B) N | SVOC (8270C) N | Tot. Cyanide N | Total Metals N | Diss. Metals Y | Hexachrome Y | | | | | | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 342588 | NS-GW-MW3Net-0604 | 6-21-04 | 1400 | GW | x | x | x | x | x | x | | | | | | |
| 2. | 342589 | NS-GW-MW1Net-0604 | | 1145 | | x | x | x | x | x | x | | | | | | Hexachrome & metals collected @ 1345 |
| 3. | | NS-GW-MW1Net MS/MS | 0604 | 1150 | | x | x | x | x | x | x | | | | | | Same as line 2. |
| 4. | | NS-GW-MW-[illegible] | | | | | | | | | | | | | | | |
| 5. | 342590 | NS-GW-TW12-0604 | | 1245 | | x | x | x | x | x | x | | | | | | |
| 6. | 342591 | Trip Blank | | | | x | | | | | | | | | | | |
| 7. | | | | | | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature): [signature] | CUSTODY SEAL NO. (IF ANY): | DATE/TIME: 6-21-04 1445 |
| RELINQUISHED BY (signature): [signature] | RECEIVED BY (signature): | DATE/TIME: |
| DISPATCHED BY (signature): | METHOD OF TRANSPORT: UPS | DATE/TIME: |

REPORT TO: Ben Nelson

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature): [signature] | DATE/TIME: 6/22/04 10:10 | CONDITION: Ok | TEMP. |
| COOLER #: [illegible] | REMARKS & OTHER INFORMATION: | | |
| | WDNR FACILITY NUMBER: | E-MAIL ADDRESS: | |

INVOICE TO: Ben Nelson

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT:
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DUPLICATE COPY

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD


**NORTHERN LAKE SERVICE, INC.**

*Analytical Laboratory and Environmental Services*

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

*Wisconsin Lab Cert. No. 721026460*

*WI DATCP 105-000330*


| | |
|---|---|
| CLIENT | URS |
| ADDRESS | 10200 INNOVATION DR STE 500 |
| CITY / STATE / ZIP | MILWAUKEE WI 53226 |
| PROJECT DESCRIPTION / NO. | XCEL ENERGY 13288875 / QUOTATION NO. |
| DNR FID # / DNR LICENSE # | |
| CONTACT | KEN NELSON |
| PHONE | 414 831-4156 |
| PURCHASE ORDER NO. | |
| FAX | 414 831-4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

NO. 69753

| ITEM NO. | NLS LAB NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | ANALYZE PER ORDER OF ANALYSIS: VOC (624/8260) | SVOC (625/8270) | TOT. CYANIDE | TOT. METALS | DISS. METALS | HEXAVALENT CHROMIUM | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 342949 | MSGWMW0023-0604 | 6/23/04 | 1245 | GW | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 2. | 342950 | MSGWMW0018-0604 | | 1250 | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 3. | 342951 | MSGWMW0024-0604 | | 1315 | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 4. | 342952 | MSGWDUP3-0604 | | 1330 | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 5. | 342953 | MSGWMW0017NET-0604 | | 1400 | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 6. | 342954 | MSGWMW0018NET-0604 | | 1415 | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 7. | 342955 | MSGWMW0017-0604 | | 1430 | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 8. | 342956 | MSGWMW0018-0604 | | 1440 | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 9. | 342957 | MSGWMW0017-0604 | | 1455 | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 10. | | MSGWMW0017MSD-0604 | ↓ | 1450 | ↓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |

| | | |
|---|---|---|
| COLLECTED BY (signature) | CUSTODY SEAL NO. (IF ANY) | DATE/TIME 6/23/04 1545 |
| RELINQUISHED BY (signature) | RECEIVED BY (signature) | DATE/TIME |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT: UPS | DATE/TIME |

REPORT TO: Ben Nelson

INVOICE TO: Ben Nelson

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature) | DATE/TIME 6/24/04 10:17 | CONDITION Nice | TEMP. |
| COOLER # | REMARKS & OTHER INFORMATION | | |
| | WDNR FACILITY NUMBER | E-MAIL ADDRESS | |

PRESERVATIVE: N = nitric acid; OH = sodium hydroxide; NP = no preservative; Z = zinc acetate; HA = hydrochloric & ascorbic acid; S = sulfuric acid; M = methanol; H = hydrochloric acid

**IMPORTANT**

1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
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# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD


**NORTHERN LAKE SERVICE, INC.**

*Analytical Laboratory and Environmental Services*

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

*Wisconsin Lab Cert. No. 721026460*

*WI DATCP 105-000330*


2 of 2

| | |
|---|---|
| CLIENT | UES |
| ADDRESS | 10200 INNOVATION DR. STE 500 |
| CITY / STATE / ZIP | MILWAUKEE / WI / 53226 |
| PROJECT DESCRIPTION / NO. | KOHL BIRD #1 / 1656 88 3/5 |
| QUOTATION NO. | |
| DNR FID # | |
| DNR LICENSE # | |
| CONTACT | KEN NELSON |
| PHONE | 414 831-7156 |
| PURCHASE ORDER NO. | |
| FAX | 414 831-7101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

ANALYZE PER ORDER OF ANALYSIS

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

NO. 69754

| ITEM NO. | NLS LAB NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | | VOCs (8260) | Chlor. (8270) | Iron, Manganese | Diss. Metals | Hexachromium | | | | | | | | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 342958 | NSG MW-MW25-0604 | 6/23/04 | 1510 | GW | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | | |
| 2. | 342959 | NSG DUP-MW25A-0604 | 6/23/04 | 1515 | GW | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | | |
| 3. | 342960 | TRIP BLANK | | | | | ✓ | | | | | | | | | | | | |
| 4. | | | | | | | | | | | | | | | | | | | |
| 5. | | | | | | | | | | | | | | | | | | | |
| 6. | | | | | | | | | | | | | | | | | | | |
| 7. | | | | | | | | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature) | CUSTODY SEAL NO. (IF ANY) | DATE/TIME 6/23/04 1515 |
| RELINQUISHED BY (signature) | RECEIVED BY (signature) | DATE/TIME |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT UPS | DATE/TIME |

REPORT TO: KEN NELSON

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature) | DATE/TIME 6/24/04 | 10:15 | CONDITION: Intact |
| COOLER # 48-2, 48-173, 48-83 | REMARKS & OTHER INFORMATION | | TEMP. |
| | WDNR FACILITY NUMBER | E-MAIL ADDRESS | |

INVOICE TO:

PRESERVATIVE: NP = no preservative; N = nitric acid; Z = zinc acetate; S = sulfuric acid; M = methanol; OH = sodium hydroxide; HA = hydrochloric & ascorbic acid; H = hydrochloric acid

IMPORTANT:

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4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AG STANDARD TERMS & CONDITIONS ON REVERSE.

DUPLICATE COPY

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

Wisconsin Lab Cert. No. 721026460
WI DATCP 105-000330

**NORTHERN LAKE SERVICE, INC.**
Analytical Laboratory and Environmental Services
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060

NO. 69755

| | |
|---|---|
| CLIENT | URS |
| ADDRESS | 10200 INNOVATION DR. STE 500 |
| CITY | MILWAUKEE |
| STATE | WI |
| ZIP | 53226 |
| PROJECT DESCRIPTION / NO. | XCEL ENERGY / 25688375 |
| QUOTATION NO. | |
| DNR FID # | |
| DNR LICENSE # | |
| CONTACT | BEN NELSON |
| PHONE | 414 831-4156 |
| PURCHASE ORDER NO. | |
| FAX | 414 831-4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS

| ITEM NO. | NLS LAB NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | | VOC (8260B) N/G | SVOC (8270C) N/G | TOT. CYANIDE N/G | TOT. METALS N/G | DISS. METALS Y/G | PHENA-CHROMIUM Y/G | | | | | | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 343025 | NSGWMW26-0604 | 6/24/04 | 0900 | GW | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | |
| 2. | 343026 | NSGWMW26A-0604 | | 0930 | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | |
| 3. | 343027 | NSGWMW23A-0604 | | 0955 | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | |
| 4. | 343028 | NSGWDUP1-0604 | | 1015 | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | |
| 5. | 343029 | NSGWMW23B-0604 | | 1030 | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | |
| 6. | 343030 | | | | | | | | | | | | | | | | | |
| 7. | | | | | | | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature) | CUSTODY SEAL NO. (IF ANY) | DATE/TIME 6-24-04 15:00 |
| RELINQUISHED BY (signature) | RECEIVED BY (signature) | DATE/TIME |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT | DATE/TIME |

REPORT TO: BEN NELSON

INVOICE TO: BEN NELSON

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature) | DATE/TIME 6-24-04 15:00 | CONDITION | TEMP. |
| COOLER # | REMARKS & OTHER INFORMATION | | |
| | WDNR FACILITY NUMBER | E-MAIL ADDRESS | |

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT:
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DUPLICATE COPY

# ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84499**
**Project Description: Xcel Ashland 25688375**
**Project Title:** **Template: SAT2NSP** **Printed: 11/04/2004 10:04**

**Sample: 350594** **NS-GW-MW-13C-0904** **Collected: 09/20/04** **Analyzed: 09/22/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | [0.26] | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 110% | | | | |
| Toluene-d8 (SURR**) | 109% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

**Sample: 350595** **NS-GW-MW-13D-0904** **Collected: 09/20/04** **Analyzed: 09/22/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | ND | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 116% | | | | |
| Toluene-d8 (SURR**) | 114% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 106% | | | | |

**Sample: 350596** **NS-GW-MW-9A-0904** **Collected: 09/20/04** **Analyzed: 09/22/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 110 | ug/L | 5 | 0.58 | 1.9 |
| sec-Butylbenzene | ND | ug/L | 5 | 0.79 | 2.6 |
| Ethylbenzene | 10 | ug/L | 5 | 0.71 | 2.3 |
| ortho-Xylene | 5.5 | ug/L | 5 | 0.67 | 2.2 |
| Styrene | 4.2 | ug/L | 5 | 0.70 | 2.3 |
| Toluene | 39 | ug/L | 5 | 1.0 | 3.9 |
| 1,2,4-Trimethylbenzene | 2.5 | ug/L | 5 | 0.72 | 2.4 |
| 1,3,5-Trimethylbenzene | [0.71] | ug/L | 5 | 0.61 | 2.0 |
| meta,para-Xylene | 12 | ug/L | 5 | 1.3 | 4.4 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 5 | 1.0 | 3.4 |
| Dibromofluoromethane (SURR**) | 115% | | | | |
| Toluene-d8 (SURR**) | 110% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

Benzene result reported beyond calibration range.

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84499**
**Project Description: Xcel Ashland 25688375**
**Project Title:** **Template: SAT2NSP** **Printed: 11/04/2004 10:04**

**Sample: 350597** **NS-GW-MW-93-0904** **Collected: 09/20/04** **Analyzed: 09/22/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 3600 | ug/L | 250 | 29 | 96 |
| sec-Butylbenzene | ND | ug/L | 250 | 39 | 130 |
| Ethylbenzene | 250 | ug/L | 250 | 35 | 120 |
| ortho-Xylene | 170 | ug/L | 250 | 33 | 110 |
| Styrene | [80] | ug/L | 250 | 35 | 120 |
| Toluene | 640 | ug/L | 250 | 51 | 190 |
| 1,2,4-Trimethylbenzene | [86] | ug/L | 250 | 36 | 120 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 250 | 31 | 100 |
| meta,para-Xylene | 310 | ug/L | 250 | 66 | 220 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 250 | 51 | 170 |
| Dibromofluoromethane (SURR**) | 112% | | | | |
| Toluene-d8 (SURR**) | 108% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

**Sample: 350598** **NS-GW-MW-9[illegible]-0904** **Collected: 09/20/04** **Analyzed: 09/22/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [0.33] | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | [0.36] | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | 0.94 | ug/L | 1 | 0.13 | 0.44 |
| Styrene | 1.9 | ug/L | 1 | 0.14 | 0.47 |
| Toluene | 3.7 | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | 0.53 | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | [0.20] | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | 1.6 | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 111% | | | | |
| Toluene-d8 (SURR**) | 115% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 104% | | | | |

**Sample: 350599** **NS-GW-MW-9[illegible]0904** **Collected: 09/20/04** **Analyzed: 09/22/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 24000 | ug/L | 2000 | 230 | 770 |
| sec-Butylbenzene | ND | ug/L | 2000 | 310 | 1000 |
| Ethylbenzene | 2100 | ug/L | 2000 | 280 | 940 |
| ortho-Xylene | 1000 | ug/L | 2000 | 270 | 890 |
| Styrene | [290] | ug/L | 2000 | 280 | 940 |
| Toluene | 11000 | ug/L | 2000 | 410 | 1500 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 2000 | 290 | 960 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 2000 | 240 | 810 |
| meta,para-Xylene | 2000 | ug/L | 2000 | 520 | 1800 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 2000 | 410 | 1400 |
| Dibromofluoromethane (SURR**) | 117% | | | | |
| Toluene-d8 (SURR**) | 116% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 106% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84499**

**Project Description: Xcel Ashland 25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 11/04/2004 10:04**

**Sample: 350600** **NS-GW-MW-14-0904** **Collected: 09/20/04** **Analyzed: 09/22/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 7200 | ug/L | 500 | 58 | 190 |
| sec-Butylbenzene | ND | ug/L | 500 | 79 | 260 |
| Ethylbenzene | 1200 | ug/L | 500 | 71 | 230 |
| ortho-Xylene | 590 | ug/L | 500 | 67 | 220 |
| Styrene | ND | ug/L | 500 | 70 | 230 |
| Toluene | 720 | ug/L | 500 | 100 | 390 |
| 1,2,4-Trimethylbenzene | [230] | ug/L | 500 | 72 | 240 |
| 1,3,5-Trimethylbenzene | [64] | ug/L | 500 | 61 | 200 |
| meta,para-Xylene | 590 | ug/L | 500 | 130 | 440 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 500 | 100 | 340 |
| Dibromofluoromethane (SURR**) | 115% | | | | |
| Toluene-d8 (SURR**) | 112% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 108% | | | | |

**Sample: 350601** **NS-WQ-DUP1-0904** **Collected: 09/20/04** **Analyzed: 09/22/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 130 | ug/L | 5 | 0.58 | 1.9 |
| sec-Butylbenzene | ND | ug/L | 5 | 0.79 | 2.6 |
| Ethylbenzene | 10 | ug/L | 5 | 0.71 | 2.3 |
| ortho-Xylene | 5.5 | ug/L | 5 | 0.67 | 2.2 |
| Styrene | 3.8 | ug/L | 5 | 0.70 | 2.3 |
| Toluene | 40 | ug/L | 5 | 1.0 | 3.9 |
| 1,2,4-Trimethylbenzene | 2.5 | ug/L | 5 | 0.72 | 2.4 |
| 1,3,5-Trimethylbenzene | [0.68] | ug/L | 5 | 0.61 | 2.0 |
| meta,para-Xylene | 12 | ug/L | 5 | 1.3 | 4.4 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 5 | 1.0 | 3.4 |
| Dibromofluoromethane (SURR**) | 104% | | | | |
| Toluene-d8 (SURR**) | 108% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

Benzene result reported beyond calibration range.

**Sample: 350602** **MS-WQ-Trip Blank-0904** **Collected: 09/20/04** **Analyzed: 09/22/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | ND | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 110% | | | | |
| Toluene-d8 (SURR**) | 114% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 107% | | | | |

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84499**
**Project Description: Xcel Ashland 25688375**
**Project Title:** **Template: SAT2NSP Printed: 11/04/2004 10:04**

** Surrogates are used to evaluate a method's Quality Control.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**



**Customer: URS Corporation (Milwaukee)** **NLS Project: 84499**
**Project Description: Xcel Ashland 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 11/04/2004 10:04**

**Sample: 350594** **NS-GW-MW-13C-0904** **Collected: 09/20/04** **Analyzed: 09/24/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | [2.1] | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 39% | | | | |
| Phenol-d5 (SURR**) | 26% | | | | |
| Nitrobenzene-d5 (SURR**) | 77% | | | | |
| 2-Fluorobiphenyl (SURR**) | 79% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 82% | | | | |
| Terphenyl-d14 (SURR**) | 60% | | | | |

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84499**
**Project Description: Xcel Ashland 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 11/04/2004 10:04**

**Sample: 350595** **NS-GW-MW-13D-0904** **Collected: 09/20/04** **Analyzed: 09/24/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 39% | | | | |
| Phenol-d5 (SURR**) | 25% | | | | |
| Nitrobenzene-d5 (SURR**) | 76% | | | | |
| 2-Fluorobiphenyl (SURR**) | 77% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 77% | | | | |
| Terphenyl-d14 (SURR**) | 58% | | | | |

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84499**
**Project Description: Xcel Ashland 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 11/04/2004 10:04**

**Sample: 350596** **NS-GW-MW-9A-0904** **Collected: 09/20/04** **Analyzed: 09/24/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | [2.3] | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | 5.8 | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | 6.1 | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | [1.3] | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | [1.5] | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | 17 | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | 2.2 | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 36% | | | | |
| Phenol-d5 (SURR**) | 25% | | | | |
| Nitrobenzene-d5 (SURR**) | 73% | | | | |
| 2-Fluorobiphenyl (SURR**) | 76% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 78% | | | | |
| Terphenyl-d14 (SURR**) | 56% | | | | |

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84499**
**Project Description: Xcel Ashland 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 11/04/2004 10:04**

**Sample: 350597** **NS-GW-MW-9 3-0904** **Collected: 09/20/04** **Analyzed: 09/24/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 40 | 60 | 200 |
| Acenaphthylene | [100] | ug/L | 40 | 67 | 220 |
| Anthracene | ND | ug/L | 40 | 54 | 180 |
| Benzo[a]anthracene | ND | ug/L | 40 | 55 | 180 |
| Benzo[a]pyrene | ND | ug/L | 40 | 55 | 180 |
| Benzo[b]fluoranthene | ND | ug/L | 40 | 51 | 170 |
| Benzo[g,h,i]perylene | ND | ug/L | 40 | 54 | 180 |
| Benzo[k]fluoranthene | ND | ug/L | 40 | 67 | 220 |
| Chrysene | ND | ug/L | 40 | 56 | 190 |
| Dibenzo[a,h]anthracene | ND | ug/L | 40 | 53 | 180 |
| Dibenzofuran | ND | ug/L | 40 | 63 | 210 |
| Fluoranthene | ND | ug/L | 40 | 57 | 190 |
| Fluorene | ND | ug/L | 40 | 68 | 230 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 40 | 62 | 210 |
| 1-Methylnaphthalene | 320 | ug/L | 40 | 64 | 210 |
| 2-Methylnaphthalene | 360 | ug/L | 40 | 61 | 210 |
| 2-Methylphenol | ND | ug/L | 40 | 45 | 160 |
| 3 & 4-Methylphenol | ND | ug/L | 40 | 51 | 170 |
| Naphthalene | 1100 | ug/L | 40 | 66 | 220 |
| Phenanthrene | [74] | ug/L | 40 | 57 | 190 |
| Phenol | ND | ug/L | 40 | 20 | 68 |
| Pyrene | ND | ug/L | 40 | 58 | 190 |
| Benzo[e]pyrene | ND | ug/L | 40 | 44 | 150 |
| 2-Fluorophenol (SURR**) | 37% | | | | |
| Phenol-d5 (SURR**) | 26% | | | | |
| Nitrobenzene-d5 (SURR**) | 81% | | | | |
| 2-Fluorobiphenyl (SURR**) | 99% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 72% | | | | |
| Terphenyl-d14 (SURR**) | 62% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84499**

**Project Description: Xcel Ashland 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 11/04/2004 10:04**

**Sample: 350598** **NS-GW-MW-9C-0904** **Collected: 09/20/04** **Analyzed: 09/24/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 39% | | | | |
| Phenol-d5 (SURR**) | 27% | | | | |
| Nitrobenzene-d5 (SURR**) | 73% | | | | |
| 2-Fluorobiphenyl (SURR**) | 76% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 93% | | | | |
| Terphenyl-d14 (SURR**) | 57% | | | | |

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84499**
**Project Description: Xcel Ashland 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 11/04/2004 10:04**

**Sample: 350599** **NS-GW-MW-9 0904** **Collected: 09/20/04** **Analyzed: 09/24/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 300 | 1000 |
| Acenaphthylene | ND | ug/L | 200 | 340 | 1100 |
| Anthracene | ND | ug/L | 200 | 270 | 900 |
| Benzo[a]anthracene | ND | ug/L | 200 | 280 | 920 |
| Benzo[a]pyrene | ND | ug/L | 200 | 280 | 920 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 250 | 840 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 270 | 900 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 340 | 1100 |
| Chrysene | ND | ug/L | 200 | 280 | 930 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 260 | 880 |
| Dibenzofuran | ND | ug/L | 200 | 310 | 1000 |
| Fluoranthene | ND | ug/L | 200 | 290 | 950 |
| Fluorene | ND | ug/L | 200 | 340 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 310 | 1000 |
| 1-Methylnaphthalene | [690] | ug/L | 200 | 320 | 1100 |
| 2-Methylnaphthalene | 1100 | ug/L | 200 | 310 | 1000 |
| 2-Methylphenol | ND | ug/L | 200 | 220 | 820 |
| 3 & 4-Methylphenol | ND | ug/L | 200 | 250 | 840 |
| Naphthalene | 6200 | ug/L | 200 | 330 | 1100 |
| Phenanthrene | ND | ug/L | 200 | 290 | 950 |
| Phenol | ND | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 290 | 960 |
| Benzo[e]pyrene | ND | ug/L | 200 | 220 | 740 |
| 2-Fluorophenol (SURR**) | 53% | | | | |
| Phenol-d5 (SURR**) | 41% | | | | |
| Nitrobenzene-d5 (SURR**) | 107% | | | | |
| 2-Fluorobiphenyl (SURR**) | 125% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 93% | | | | |
| Terphenyl-d14 (SURR**) | 77% | | | | |

Surrogate recovery for 2-Fluorobipher yl was outside QC limits due to sample matrix.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84499**
**Project Description: Xcel Ashland 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 11/04/2004 10:04**

**Sample: 350600** **NS-GW-MW-14-0904** **Collected: 09/20/04** **Analyzed: 09/24/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 300 | 1000 |
| Acenaphthylene | ND | ug/L | 200 | 340 | 1100 |
| Anthracene | ND | ug/L | 200 | 270 | 900 |
| Benzo[a]anthracene | ND | ug/L | 200 | 280 | 920 |
| Benzo[a]pyrene | ND | ug/L | 200 | 280 | 920 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 250 | 840 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 270 | 900 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 340 | 1100 |
| Chrysene | ND | ug/L | 200 | 280 | 930 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 260 | 880 |
| Dibenzofuran | ND | ug/L | 200 | 310 | 1000 |
| Fluoranthene | ND | ug/L | 200 | 290 | 950 |
| Fluorene | ND | ug/L | 200 | 340 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 310 | 1000 |
| 1-Methylnaphthalene | [660] | ug/L | 200 | 320 | 1100 |
| 2-Methylnaphthalene | [470] | ug/L | 200 | 310 | 1000 |
| 2-Methylphenol | ND | ug/L | 200 | 220 | 820 |
| 3 & 4-Methylphenol | ND | ug/L | 200 | 250 | 840 |
| Naphthalene | 4900 | ug/L | 200 | 330 | 1100 |
| Phenanthrene | ND | ug/L | 200 | 290 | 950 |
| Phenol | ND | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 290 | 960 |
| Benzo[e]pyrene | ND | ug/L | 200 | 220 | 740 |
| 2-Fluorophenol (SURR**) | 29% | | | | |
| Phenol-d5 (SURR**) | 26% | | | | |
| Nitrobenzene-d5 (SURR**) | 76% | | | | |
| 2-Fluorobiphenyl (SURR**) | 110% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 65% | | | | |
| Terphenyl-d14 (SURR**) | 61% | | | | |

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84499**
**Project Description: Xcel Ashland 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 11/04/2004 10:04**

**Sample: 350601 NS-WQ-DUP1-0904** **Collected: 09/20/04** **Analyzed: 09/24/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 5.1 | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | 25 | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | [2.8] | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | [1.6] | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | 5.9 | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | 65 | ug/L | 10 | 16 | 53 |
| 2-Methylnaphthalene | 97 | ug/L | 10 | 15 | 51 |
| 2-Methylphenol | 12 | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | 13 | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | 520 | ug/L | 10 | 17 | 55 |
| Phenanthrene | 6.0 | ug/L | 1 | 1.4 | 4.8 |
| Phenol | 8.9 | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | [2.2] | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 24% | | | | |
| Phenol-d5 (SURR**) | 26% | | | | |
| Nitrobenzene-d5 (SURR**) | 88% | | | | |
| 2-Fluorobiphenyl (SURR**) | 81% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 86% | | | | |
| Terphenyl-d14 (SURR**) | 60% | | | | |

Naphthalene result reported beyond calibration range.

** Surrogates are used to evaluate a method's Quality Control.

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 84499
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel Ashland 25688375

**NS-GW-MW-13C-0904 NLS ID: 350594**
Ref. Line 1 COC 72154 NS-GW-MW-13C-0904 Matrix: GW
Collected: 09/20/04 10:00 Received: 09/21/04
Notes: Hexavalent Chromium & dissolved metals were collected after 1300 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | [0.011] | mg/L | 1 | 0.0042 | 0.015 | 10/13/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0080] | mg/L | 1 | 0.0042 | 0.015 | 10/13/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 09/29/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 09/29/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [3.6] | ug/L | 1 | 2.6 | 9.0 | 09/28/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 5 | 13 | 45 | 09/28/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 87 | ug/L | 1 | 2.5* | 5.0 | 10/13/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 85 | ug/L | 1 | 2.5* | 5.0 | 10/13/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | [0.24] | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 22 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 21 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 09/21/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 10/14/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [0.73] | ug/L | 1 | 0.51 | 1.8 | 10/13/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.97] | ug/L | 1 | 0.51 | 1.8 | 10/13/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/13/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | [3.7] | ug/L | 1 | 1.3 | 4.0 | 10/13/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 09/28/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | [0.037] | mg/L | 1 | 0.033 | 0.10 | 10/13/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | [0.051] | mg/L | 1 | 0.033 | 0.10 | 10/13/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/13/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [2.0] | ug/L | 1 | 0.87 | 3.0 | 10/13/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 6.7 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 6.6 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 48 | ug/L | 1 | 1.0* | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 47 | ug/L | 1 | 1.0* | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 09/23/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 09/23/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 3.0 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 3.1 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/01/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/01/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | [1.1] | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 13 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 14 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 09/29/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84499
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-13C-0904 NLS ID: 350594**
Ref. Line 1 COC 72154 NS-GW-MW-13C-0904 Matrix: GW
Collected: 09/20/04 10:00 Received: 09/21/04
Notes: Hexavalent Chromium & dissolved metals were collected after 1300 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 09/29/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [1.4] | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/13/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/13/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 09/22/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 09/23/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 09/22/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 09/23/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 09/22/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/22/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 09/24/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84499
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-13D-0904 NLS ID: 350595**
Ref. Line 2 COC 72154 NS-GW-MW-13D-0904 Matrix: GW
Collected: 09/20/04 10:15 Received: 09/21/04
Notes: Hexavalent Chromium & dissolved metals were collected after 1300 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.025 | mg/L | 1 | 0.0042 | 0.015 | 10/13/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0060] | mg/L | 1 | 0.0042 | 0.015 | 10/13/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 09/29/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | [19] | ug/L | 5 | 16 | 57 | 09/29/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 09/28/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 5 | 13 | 45 | 09/28/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 76 | ug/L | 1 | 2.5* | 5.0 | 10/13/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 74 | ug/L | 1 | 2.5* | 5.0 | 10/13/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 25 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 24 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 09/21/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 10/14/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [0.63] | ug/L | 1 | 0.51 | 1.8 | 10/13/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.90] | ug/L | 1 | 0.51 | 1.8 | 10/13/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | [1.5] | ug/L | 1 | 1.3 | 4.0 | 10/13/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/13/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 09/28/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | [0.069] | mg/L | 1 | 0.033 | 0.10 | 10/13/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | [0.082] | mg/L | 1 | 0.033 | 0.10 | 10/13/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/13/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/13/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 7.5 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 7.3 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 81 | ug/L | 1 | 1.0* | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 81 | ug/L | 1 | 1.0* | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 09/23/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 09/23/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.1 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 4.1 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/01/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/01/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 22 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 21 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 09/29/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84499
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-13D-0904 NLS ID: 350595**
Ref. Line 2 COC 72154 NS-GW-MW-13D-0904 Matrix: GW
Collected: 09/20/04 10:15 Received: 09/21/04
Notes: Hexavalent Chromium & dissolved metals were collected after 1300 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 09/29/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/13/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/13/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 09/22/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 09/23/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 09/22/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 09/23/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 09/22/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/22/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 09/24/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
*10200 West Innovation Drive #500*
Milwaukee,WI 53226 4827

NLS Project: 84499
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-9A-0904 NLS ID: 350596**
Ref. Line 3 COC 72154 NS-GW-MW-9A-0904 Matrix: GW
Collected: 09/20/04 11:30 Received: 09/21/04
Notes: Hexavalent Chromium & dissolved metals were collected after 1300 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.13 | mg/L | 1 | 0.0042 | 0.015 | 10/13/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0080] | mg/L | 1 | 0.0042 | 0.015 | 10/13/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 09/29/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 09/29/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [3.6] | ug/L | 1 | 2.6 | 9.0 | 09/28/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [3.0] | ug/L | 1 | 2.6 | 9.0 | 09/28/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 67 | ug/L | 1 | 2.5* | 5.0 | 10/13/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 73 | ug/L | 1 | 2.5* | 5.0 | 10/13/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 21 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 22 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 09/21/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 10/14/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [0.85] | ug/L | 1 | 0.51 | 1.8 | 10/13/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [1.1] | ug/L | 1 | 0.51 | 1.8 | 10/13/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/13/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/13/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 09/28/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 0.16 | mg/L | 1 | 0.033 | 0.10 | 10/13/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 0.11 | mg/L | 1 | 0.033 | 0.10 | 10/13/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | [1.3] | ug/L | 1 | 0.87 | 3.0 | 10/13/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/13/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 6.8 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 7.5 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 56 | ug/L | 1 | 1.0* | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 61 | ug/L | 1 | 1.0* | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 09/23/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 09/23/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 3.0 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 2.8 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/01/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/01/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 15 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 14 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 09/29/04 | SW846 7841 | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84499
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-9A-0904 NLS ID: 350596**
Ref. Line 3 COC 72154 NS-GW-MW-9A-0904 Matrix: GW
Collected: 09/20/04 11:30 Received: 09/21/04
Notes: Hexavalent Chromium & dissolved metals were collected after 1300 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 09/29/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | [9.1] | ug/L | 1 | 5.0* | 10 | 10/13/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/13/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 09/22/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 09/23/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 09/22/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 09/23/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 09/22/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/22/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 09/24/04 | SW846 8270C | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84499
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-9B-0904 NLS ID: 350597**
Ref. Line 4 COC 72154 NS-GW-MW-9B-0904 Matrix: GW
Collected: 09/20/04 12:20 Received: 09/21/04
Notes: Hexavalent Chromium & dissolved metals were collected after 1300 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.030 | mg/L | 1 | 0.0042 | 0.015 | 10/13/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0070] | mg/L | 1 | 0.0042 | 0.015 | 10/13/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 09/29/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 09/29/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [3.0] | ug/L | 1 | 2.6 | 9.0 | 09/28/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [5.1] | ug/L | 1 | 2.6 | 9.0 | 09/28/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 97 | ug/L | 1 | 2.5* | 5.0 | 10/13/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 96 | ug/L | 1 | 2.5* | 5.0 | 10/13/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 31 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 32 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 09/21/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 10/14/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [0.54] | ug/L | 1 | 0.51 | 1.8 | 10/13/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.53] | ug/L | 1 | 0.51 | 1.8 | 10/13/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/13/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/13/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | 0.016 | mg/L | 1 | 0.0050 | 0.015 | 09/28/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 1.5 | mg/L | 1 | 0.033 | 0.10 | 10/13/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 1.3 | mg/L | 1 | 0.033 | 0.10 | 10/13/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/13/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/13/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 7.8 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 7.8 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 300 | ug/L | 1 | 1.0* | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 310 | ug/L | 1 | 1.0* | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 09/23/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 09/23/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.1 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 4.0 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/01/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/01/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 19 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 20 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 09/29/04 | SW846 7841 | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84499
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-9B-0904 NLS ID: 350597**

Ref. Line 4 COC 72154 NS-GW-MW-9B-0904 Matrix: GW
Collected: 09/20/04 12:20 Received: 09/21/04
Notes: Hexavalent Chromium & dissolved metals were collected after 1300 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 09/29/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | [6.4] | ug/L | 1 | 5.0* | 10 | 10/13/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/13/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 09/22/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 09/23/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 09/22/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 09/23/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 09/22/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/22/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 09/24/04 | SW846 8270C | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84499
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-9C-0904 NLS ID: 350598**
Ref. Line 5 COC 72154 NS-GW-MW-9C-0904 Matrix: GW
Collected: 09/20/04 11:45 Received: 09/21/04
Notes: Hexavalent Chromium & dissolved metals were collected after 1300 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | [0.014] | mg/L | 1 | 0.0042 | 0.015 | 10/13/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | 0.15 | mg/L | 1 | 0.0042 | 0.015 | 10/13/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 09/29/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 09/29/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 09/28/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 09/28/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 48 | ug/L | 1 | 2.5* | 5.0 | 10/13/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 9.0 | ug/L | 1 | 2.5* | 5.0 | 10/13/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 22 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 13 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 09/21/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 10/14/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [0.68] | ug/L | 1 | 0.51 | 1.8 | 10/13/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [1.5] | ug/L | 1 | 0.51 | 1.8 | 10/13/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/13/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | 7.4 | ug/L | 1 | 1.3 | 4.0 | 10/13/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 09/28/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 10/13/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 10/13/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | [0.99] | ug/L | 1 | 0.87 | 3.0 | 10/13/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/13/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 6.4 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 0.88 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 54 | ug/L | 1 | 1.0* | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 2.3 | ug/L | 1 | 1.0* | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 09/23/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 09/23/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 3.4 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 3.1 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/01/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/01/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 19 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 15 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 09/29/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84499
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-9C-0904 NLS ID: 350598**

Ref. Line 5 COC 72154 NS-GW-MW-9C-0904 Matrix: GW
Collected: 09/20/04 11:45 Received: 09/21/04
Notes: Hexavalent Chromium & dissolved metals were collected after 1300 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 09/29/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | [1.1] | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 2.5 | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/13/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/13/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 09/22/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 09/23/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 09/22/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 09/23/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 09/22/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/22/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 09/24/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 84499
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**Client:** URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

**Project:** Xcel Ashland 25688375

**NS-GW-MW-9-0904 NLS ID: 350599**
Ref. Line 6 COC 72154 NS-GW-MW-9-0904 Matrix: GW
Collected: 09/20/04 12:10 Received: 09/21/04
Notes: Hexavalent Chromium & dissolved metals were collected after 1300 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 3.0 | mg/L | 1 | 0.0042 | 0.015 | 10/13/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.015] | mg/L | 1 | 0.0042 | 0.015 | 10/13/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 09/29/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 09/29/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [5.6] | ug/L | 1 | 2.6 | 9.0 | 09/28/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [8.5] | ug/L | 1 | 2.6 | 9.0 | 09/28/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 240 | ug/L | 1 | 2.5* | 5.0 | 10/13/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 210 | ug/L | 1 | 2.5* | 5.0 | 10/13/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | 1.1 | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | [0.30] | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 90 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 92 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 09/21/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 7.4 | ug/L | 1 | 3.6* | | 10/14/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 7.4 | ug/L | 1 | 0.51 | 1.8 | 10/13/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [1.5] | ug/L | 1 | 0.51 | 1.8 | 10/13/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | [1.8] | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 36 | ug/L | 1 | 1.3 | 4.0 | 10/13/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/13/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | 0.10 | mg/L | 1 | 0.0050 | 0.015 | 09/28/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 38 | mg/L | 1 | 0.033 | 0.10 | 10/13/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 27 | mg/L | 1 | 0.033 | 0.10 | 10/13/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 12 | ug/L | 1 | 0.87 | 3.0 | 10/13/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/13/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 14 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 14 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 750 | ug/L | 1 | 1.0* | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 710 | ug/L | 1 | 1.0* | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 09/23/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 09/23/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 11 | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.4] | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 7.8 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 8.5 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/01/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/01/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 24 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 24 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 09/29/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84499
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-9-0904 NLS ID: 350599**
Ref. Line 6 COC 72154 NS-GW-MW-9-0904 Matrix: GW
Collected: 09/20/04 12:10 Received: 09/21/04
Notes: Hexavalent Chromium & dissolved metals were collected after 1300 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 09/29/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 9.0 | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [0.83] | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 110 | ug/L | 1 | 5.0* | 10 | 10/13/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | 23 | ug/L | 1 | 5.0* | 10 | 10/13/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 09/22/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 09/23/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 09/22/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 09/23/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 09/22/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/22/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 09/24/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 84499
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel Ashland 25688375

**NS-GW-MW-14-0904 NLS ID: 350600**
Ref. Line 7 COC 72154 NS-GW-MW-14-0904 Matrix: GW
Collected: 09/20/04 12:30 Received: 09/21/04
Notes: Hexavalent Chromium & dissolved metals were collected after 1300 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 6.8 | mg/L | 1 | 0.0042 | 0.015 | 10/13/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.012] | mg/L | 1 | 0.0042 | 0.015 | 10/13/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 09/29/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 09/29/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [4.2] | ug/L | 1 | 2.6 | 9.0 | 09/28/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [6.1] | ug/L | 1 | 2.6 | 9.0 | 09/28/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 520 | ug/L | 1 | 2.5* | 5.0 | 10/13/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 360 | ug/L | 1 | 2.5* | 5.0 | 10/13/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | 0.87 | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | [0.33] | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 97 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 94 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 09/21/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 4.7 | ug/L | 1 | 3.6* | | 10/14/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 4.7 | ug/L | 1 | 0.51 | 1.8 | 10/13/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [1.0] | ug/L | 1 | 0.51 | 1.8 | 10/13/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | [2.0] | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | [0.98] | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 26 | ug/L | 1 | 1.3 | 4.0 | 10/13/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/13/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | 0.029 | mg/L | 1 | 0.0050 | 0.015 | 09/28/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 24 | mg/L | 1 | 0.033 | 0.10 | 10/13/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 17 | mg/L | 1 | 0.033 | 0.10 | 10/13/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 13 | ug/L | 1 | 0.87 | 3.0 | 10/13/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/13/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 33 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 31 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 460 | ug/L | 1 | 1.0* | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 420 | ug/L | 1 | 1.0* | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 09/23/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | 0.12 | ug/L | 1 | 0.025 | 0.050 | 09/23/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 5.1 | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.6] | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 17 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 19 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/01/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/01/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 66 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 69 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 09/29/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84499
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-14-0904 NLS ID: 350600**

Ref. Line 7 COC 72154 NS-GW-MW-14-0904 Matrix: GW
Collected: 09/20/04 12:30 Received: 09/21/04
Notes: Hexavalent Chromium & dissolved metals were collected after 1300 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 09/29/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 8.7 | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Zinc tot. as Zn by ICP-Trace | 38 | ug/L | 1 | 5.0* | 10 | 10/13/04 | SW846 6010 | 721026460 |
| Zinc dis. as Zn by ICP-Trace | 16 | ug/L | 1 | 5.0* | 10 | 10/13/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 09/22/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 09/23/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 09/22/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 09/23/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 09/22/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/22/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 09/24/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 84499
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-WQ-DUP1-0904 NLS ID: 350601**
Ref. Line 8 COC 72154 NS-WQ-DUP1-0904 Matrix: GW
Collected: 09/20/04 00:00 Received: 09/21/04
Notes: Hexavalent Chromium & dissolved metals were collected after 1300 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.12 | mg/L | 1 | 0.0042 | 0.015 | 10/13/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0050] | mg/L | 1 | 0.0042 | 0.015 | 10/13/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 09/29/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 09/29/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [3.9] | ug/L | 1 | 2.6 | 9.0 | 09/28/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [3.0] | ug/L | 1 | 2.6 | 9.0 | 09/28/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 66 | ug/L | 1 | 2.5* | 5.0 | 10/13/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 76 | ug/L | 1 | 2.5* | 5.0 | 10/13/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 21 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 23 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 09/21/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 10/14/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [0.91] | ug/L | 1 | 0.51 | 1.8 | 10/13/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 10/13/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/13/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/13/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.0050] | mg/L | 1 | 0.0050 | 0.015 | 09/28/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 0.29 | mg/L | 1 | 0.033 | 0.10 | 10/13/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 0.14 | mg/L | 1 | 0.033 | 0.10 | 10/13/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/13/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/13/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 6.7 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 7.7 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 56 | ug/L | 1 | 1.0* | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 63 | ug/L | 1 | 1.0* | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 09/23/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 09/23/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 3.1 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 3.1 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/01/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/01/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 15 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 14 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 09/29/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84499
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-WQ-DUP1-0904 NLS ID: 35060L**
Ref. Line 8 COC 72154 NS-WQ-DUP1-0904 Matrix: GW
Collected: 09/20/04 00:00 Received: 09/21/04
Notes: Hexavalent Chromium & dissolved metals were collected after 1300 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 09/29/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | [9.0] | ug/L | 1 | 5.0* | 10 | 10/13/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/13/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 09/22/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 09/23/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 09/22/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 09/23/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 09/22/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/22/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 09/24/04 | SW846 8270C | 721026460 |

**MS-WQ-Trip Blank-0904 NLS ID: 35060Z**
Ref. Line 9 COC 72154 MS-WQ-Trip Blank-0904 Matrix: TB
Collected: 09/20/04 00:00 Received: 09/21/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 09/22/04 | SW846 8260 | 721026460 |

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". *LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.*

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

# ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84535**
**Project Description: Xcel Ashland 25688375**
**Project Title:** **Template: SAT2NSP** **Printed: 11/04/2004 10:05**

**Sample: 350747** **NS-GW-MW-06A-0904** **Collected: 09/21/04** **Analyzed: 09/24/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | [0.25] | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 108% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 94% | | | | |

**Sample: 350748** **NS-GW-MW-15B-0904** **Collected: 09/21/04** **Analyzed: 09/24/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 92 | ug/L | 8 | 0.92 | 3.1 |
| sec-Butylbenzene | ND | ug/L | 8 | 1.3 | 4.2 |
| Ethylbenzene | [1.7] | ug/L | 8 | 1.1 | 3.8 |
| ortho-Xylene | 9.0 | ug/L | 8 | 1.1 | 3.5 |
| Styrene | 7.4 | ug/L | 8 | 1.1 | 3.7 |
| Toluene | 24 | ug/L | 8 | 1.6 | 6.2 |
| 1,2,4-Trimethylbenzene | 3.8 | ug/L | 8 | 1.2 | 3.8 |
| 1,3,5-Trimethylbenzene | [1.1] | ug/L | 8 | 0.98 | 3.3 |
| meta,para-Xylene | 17 | ug/L | 8 | 2.1 | 7.0 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 8 | 1.6 | 5.5 |
| Dibromofluoromethane (SURR**) | 109% | | | | |
| Toluene-d8 (SURR**) | 106% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 103% | | | | |

**Sample: 350749** **NS-GW-MW-15-0904** **Collected: 09/21/04** **Analyzed: 09/24/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 86000 | ug/L | 5000 | 580 | 1900 |
| sec-Butylbenzene | ND | ug/L | 5000 | 790 | 2600 |
| Ethylbenzene | [1700] | ug/L | 5000 | 710 | 2300 |
| ortho-Xylene | [1500] | ug/L | 5000 | 670 | 2200 |
| Styrene | ND | ug/L | 5000 | 700 | 2300 |
| Toluene | 20000 | ug/L | 5000 | 1000 | 3900 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 5000 | 720 | 2400 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 5000 | 610 | 2000 |
| meta,para-Xylene | [3200] | ug/L | 5000 | 1300 | 4400 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 5000 | 1000 | 3400 |
| Dibromofluoromethane (SURR**) | 108% | | | | |
| Toluene-d8 (SURR**) | 113% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84535**
**Project Description: Xcel Ashland 25688375**
**Project Title:** **Template: SAT2NSP** **Printed: 11/04/2004 10:05**

**Sample: 350750** **NS-GW-MW-4-0904** **Collected: 09/21/04** **Analyzed: 09/24/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 2200 | ug/L | 500 | 58 | 190 |
| sec-Butylbenzene | ND | ug/L | 500 | 79 | 260 |
| Ethylbenzene | 1900 | ug/L | 500 | 71 | 230 |
| ortho-Xylene | 990 | ug/L | 500 | 67 | 220 |
| Styrene | ND | ug/L | 500 | 70 | 230 |
| Toluene | 1700 | ug/L | 500 | 100 | 390 |
| 1,2,4-Trimethylbenzene | 400 | ug/L | 500 | 72 | 240 |
| 1,3,5-Trimethylbenzene | [100] | ug/L | 500 | 61 | 200 |
| meta,para-Xylene | 1600 | ug/L | 500 | 130 | 440 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 500 | 100 | 340 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 108% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

**Sample: 350751** **NS-GW-MW-4A-0904** **Collected: 09/21/04** **Analyzed: 09/24/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 15000 | ug/L | 1000 | 120 | 380 |
| sec-Butylbenzene | ND | ug/L | 1000 | 160 | 520 |
| Ethylbenzene | 2400 | ug/L | 1000 | 140 | 470 |
| ortho-Xylene | 1400 | ug/L | 1000 | 130 | 440 |
| Styrene | 930 | ug/L | 1000 | 140 | 470 |
| Toluene | 8000 | ug/L | 1000 | 200 | 770 |
| 1,2,4-Trimethylbenzene | 530 | ug/L | 1000 | 140 | 480 |
| 1,3,5-Trimethylbenzene | [130] | ug/L | 1000 | 120 | 410 |
| meta,para-Xylene | 2500 | ug/L | 1000 | 260 | 880 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1000 | 210 | 680 |
| Dibromofluoromethane (SURR**) | 109% | | | | |
| Toluene-d8 (SURR**) | 114% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 104% | | | | |

**Sample: 350752** **NS-GW-MW-2A-0904** **Collected: 09/21/04** **Analyzed: 09/24/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 37000 | ug/L | 2500 | 290 | 960 |
| sec-Butylbenzene | ND | ug/L | 2500 | 390 | 1300 |
| Ethylbenzene | [620] | ug/L | 2500 | 350 | 1200 |
| ortho-Xylene | 1600 | ug/L | 2500 | 330 | 1100 |
| Styrene | 4100 | ug/L | 2500 | 350 | 1200 |
| Toluene | 20000 | ug/L | 2500 | 510 | 1900 |
| 1,2,4-Trimethylbenzene | [540] | ug/L | 2500 | 360 | 1200 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 2500 | 310 | 1000 |
| meta,para-Xylene | 2900 | ug/L | 2500 | 660 | 2200 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 2500 | 510 | 1700 |
| Dibromofluoromethane (SURR**) | 109% | | | | |
| Toluene-d8 (SURR**) | 110% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84535**

**Project Description: Xcel Ashland 25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 11/04/2004 10:05**

**Sample: 350753** **NS-GW-MW-22B-0904** **Collected: 09/21/04** **Analyzed: 09/24/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | ND | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | [0.19] | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 104% | | | | |
| Toluene-d8 (SURR**) | 109% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

**Sample: 350754** **NS-GW-MW-16-0904** **Collected: 09/21/04** **Analyzed: 09/24/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | ND | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 106% | | | | |
| Toluene-d8 (SURR**) | 107% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 104% | | | | |

**Sample: 350755** **NS-WQ-TRIPBLANK2-0904** **Collected: 09/21/04** **Analyzed: 09/24/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | ND | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 109% | | | | |
| Toluene-d8 (SURR**) | 114% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

Customer: URS Corporation (Milwaukee) NLS Project: 84535

Project Description: Xcel Ashland 25688375

Project Title: Template: SAT2NSP Printed: 11/04/2004 10:05

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84535**

**Project Description: Xcel Ashland 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 11/04/2004 10:05**

**Sample: 350747** **NS-GW-MW-06A-0904** **Collected: 09/21/04** **Analyzed: 09/27/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 40% | | | | |
| Phenol-d5 (SURR**) | 26% | | | | |
| Nitrobenzene-d5 (SURR**) | 72% | | | | |
| 2-Fluorobiphenyl (SURR**) | 76% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 89% | | | | |
| Terphenyl-d14 (SURR**) | 76% | | | | |

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84535**
**Project Description: Xcel Ashland 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 11/04/2004 10:05**

**Sample: 350748** **NS-GW-MW-15B-0904** **Collected: 09/21/04** **Analyzed: 09/27/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 2 | 3.0 | 10 |
| Acenaphthylene | ND | ug/L | 2 | 3.4 | 11 |
| Anthracene | ND | ug/L | 2 | 2.7 | 9.0 |
| Benzo[a]anthracene | ND | ug/L | 2 | 2.8 | 9.2 |
| Benzo[a]pyrene | ND | ug/L | 2 | 2.8 | 9.2 |
| Benzo[b]fluoranthene | ND | ug/L | 2 | 2.5 | 8.4 |
| Benzo[g,h,i]perylene | ND | ug/L | 2 | 2.7 | 9.0 |
| Benzo[k]fluoranthene | ND | ug/L | 2 | 3.4 | 11 |
| Chrysene | ND | ug/L | 2 | 2.8 | 9.3 |
| Dibenzo[a,h]anthracene | ND | ug/L | 2 | 2.6 | 8.8 |
| Dibenzofuran | ND | ug/L | 2 | 3.1 | 10 |
| Fluoranthene | ND | ug/L | 2 | 2.9 | 9.5 |
| Fluorene | ND | ug/L | 2 | 3.4 | 11 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 2 | 3.1 | 10 |
| 1-Methylnaphthalene | [6.6] | ug/L | 2 | 3.2 | 11 |
| 2-Methylnaphthalene | [8.9] | ug/L | 2 | 3.1 | 10 |
| 2-Methylphenol | ND | ug/L | 2 | 2.2 | 8.2 |
| 3 & 4-Methylphenol | ND | ug/L | 2 | 2.5 | 8.4 |
| Naphthalene | 37 | ug/L | 2 | 3.3 | 11 |
| Phenanthrene | ND | ug/L | 2 | 2.9 | 9.5 |
| Phenol | ND | ug/L | 2 | 1.0 | 3.4 |
| Pyrene | ND | ug/L | 2 | 2.9 | 9.6 |
| Benzo[e]pyrene | ND | ug/L | 2 | 2.2 | 7.4 |
| 2-Fluorophenol (SURR**) | 35% | | | | |
| Phenol-d5 (SURR**) | 23% | | | | |
| Nitrobenzene-d5 (SURR**) | 80% | | | | |
| 2-Fluorobiphenyl (SURR**) | 87% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 85% | | | | |
| Terphenyl-d14 (SURR**) | 82% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84535**

**Project Description: Xcel Ashland 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 11/04/2004 10:05**

**Sample: 350749** **NS-GW-MW-15-0904** **Collected: 09/21/04** **Analyzed: 09/27/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 400 | 600 | 2000 |
| Acenaphthylene | ND | ug/L | 400 | 670 | 2200 |
| Anthracene | ND | ug/L | 400 | 540 | 1800 |
| Benzo[a]anthracene | ND | ug/L | 400 | 550 | 1800 |
| Benzo[a]pyrene | ND | ug/L | 400 | 550 | 1800 |
| Benzo[b]fluoranthene | ND | ug/L | 400 | 510 | 1700 |
| Benzo[g,h,i]perylene | ND | ug/L | 400 | 540 | 1800 |
| Benzo[k]fluoranthene | ND | ug/L | 400 | 670 | 2200 |
| Chrysene | ND | ug/L | 400 | 560 | 1900 |
| Dibenzo[a,h]anthracene | ND | ug/L | 400 | 530 | 1800 |
| Dibenzofuran | ND | ug/L | 400 | 630 | 2100 |
| Fluoranthene | ND | ug/L | 400 | 570 | 1900 |
| Fluorene | ND | ug/L | 400 | 680 | 2300 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 400 | 620 | 2100 |
| 1-Methylnaphthalene | [790] | ug/L | 400 | 640 | 2100 |
| 2-Methylnaphthalene | [1300] | ug/L | 400 | 610 | 2100 |
| 2-Methylphenol | ND | ug/L | 400 | 450 | 1600 |
| 3 & 4-Methylphenol | [1000] | ug/L | 400 | 510 | 1700 |
| Naphthalene | 12000 | ug/L | 400 | 660 | 2200 |
| Phenanthrene | ND | ug/L | 400 | 570 | 1900 |
| Phenol | [290] | ug/L | 400 | 200 | 680 |
| Pyrene | ND | ug/L | 400 | 580 | 1900 |
| Benzo[e]pyrene | ND | ug/L | 400 | 440 | 1500 |
| 2-Fluorophenol (SURR**) | 49% | | | | |
| Phenol-d5 (SURR**) | 45% | | | | |
| Nitrobenzene-d5 (SURR**) | 94% | | | | |
| 2-Fluorobiphenyl (SURR**) | 118% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 97% | | | | |
| Terphenyl-d14 (SURR**) | 102% | | | | |

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84535**
**Project Description: Xcel Ashland 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 11/04/2004 10:05**

**Sample: 350750** **NS-GW-MW-4-0904** **Collected: 09/21/04** **Analyzed: 09/27/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 300 | 1000 |
| Acenaphthylene | ND | ug/L | 200 | 340 | 1100 |
| Anthracene | ND | ug/L | 200 | 270 | 900 |
| Benzo[a]anthracene | ND | ug/L | 200 | 280 | 920 |
| Benzo[a]pyrene | ND | ug/L | 200 | 280 | 920 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 250 | 840 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 270 | 900 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 340 | 1100 |
| Chrysene | ND | ug/L | 200 | 280 | 930 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 260 | 880 |
| Dibenzofuran | ND | ug/L | 200 | 310 | 1000 |
| Fluoranthene | ND | ug/L | 200 | 290 | 950 |
| Fluorene | ND | ug/L | 200 | 340 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 310 | 1000 |
| 1-Methylnaphthalene | [930] | ug/L | 200 | 320 | 1100 |
| 2-Methylnaphthalene | 1200 | ug/L | 200 | 310 | 1000 |
| 2-Methylphenol | ND | ug/L | 200 | 220 | 820 |
| 3 & 4-Methylphenol | ND | ug/L | 200 | 250 | 840 |
| Naphthalene | 5300 | ug/L | 200 | 330 | 1100 |
| Phenanthrene | ND | ug/L | 200 | 290 | 950 |
| Phenol | ND | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 290 | 960 |
| Benzo[e]pyrene | ND | ug/L | 200 | 220 | 740 |
| 2-Fluorophenol (SURR**) | 12% | | | | |
| Phenol-d5 (SURR**) | 23% | | | | |
| Nitrobenzene-d5 (SURR**) | 97% | | | | |
| 2-Fluorobiphenyl (SURR**) | 106% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 60% | | | | |
| Terphenyl-d14 (SURR**) | 93% | | | | |

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84535**
**Project Description: Xcel Ashland 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 11/04/2004 10:05**

**Sample: 350751** **NS-GW-MW-4A-0904** **Collected: 09/21/04** **Analyzed: 09/27/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 400 | 600 | 2000 |
| Acenaphthylene | [960] | ug/L | 400 | 670 | 2200 |
| Anthracene | ND | ug/L | 400 | 540 | 1800 |
| Benzo[a]anthracene | ND | ug/L | 400 | 550 | 1800 |
| Benzo[a]pyrene | ND | ug/L | 400 | 550 | 1800 |
| Benzo[b]fluoranthene | ND | ug/L | 400 | 510 | 1700 |
| Benzo[g,h,i]perylene | ND | ug/L | 400 | 540 | 1800 |
| Benzo[k]fluoranthene | ND | ug/L | 400 | 670 | 2200 |
| Chrysene | ND | ug/L | 400 | 560 | 1900 |
| Dibenzo[a,h]anthracene | ND | ug/L | 400 | 530 | 1800 |
| Dibenzofuran | ND | ug/L | 400 | 630 | 2100 |
| Fluoranthene | ND | ug/L | 400 | 570 | 1900 |
| Fluorene | ND | ug/L | 400 | 680 | 2300 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 400 | 620 | 2100 |
| 1-Methylnaphthalene | 2600 | ug/L | 400 | 640 | 2100 |
| 2-Methylnaphthalene | 4000 | ug/L | 400 | 610 | 2100 |
| 2-Methylphenol | ND | ug/L | 400 | 450 | 1600 |
| 3 & 4-Methylphenol | [610] | ug/L | 400 | 510 | 1700 |
| Naphthalene | 13000 | ug/L | 400 | 660 | 2200 |
| Phenanthrene | [620] | ug/L | 400 | 570 | 1900 |
| Phenol | ND | ug/L | 400 | 200 | 680 |
| Pyrene | ND | ug/L | 400 | 580 | 1900 |
| Benzo[e]pyrene | ND | ug/L | 400 | 440 | 1500 |
| 2-Fluorophenol (SURR**) | 3% | | | | |
| Phenol-d5 (SURR**) | 30% | | | | |
| Nitrobenzene-d5 (SURR**) | 87% | | | | |
| 2-Fluorobiphenyl (SURR**) | 119% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 58% | | | | |
| Terphenyl-d14 (SURR**) | 108% | | | | |

Surrogate recovery for 2-Fluorophenol was outside QC limits due to sample matrix.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84535**
**Project Description: Xcel Ashland 25688375**
**Project Title:** **Template: 8270WNSP Printed: 11/04/2004 10:05**

**Sample: 350752 NS-GW-MW-2[illegible]A-0904** **Collected: 09/21/04** **Analyzed: 09/27/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 300 | 1000 |
| Acenaphthylene | [460] | ug/L | 200 | 340 | 1100 |
| Anthracene | ND | ug/L | 200 | 270 | 900 |
| Benzo[a]anthracene | ND | ug/L | 200 | 280 | 920 |
| Benzo[a]pyrene | ND | ug/L | 200 | 280 | 920 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 250 | 840 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 270 | 900 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 340 | 1100 |
| Chrysene | ND | ug/L | 200 | 280 | 930 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 260 | 880 |
| Dibenzofuran | ND | ug/L | 200 | 310 | 1000 |
| Fluoranthene | ND | ug/L | 200 | 290 | 950 |
| Fluorene | ND | ug/L | 200 | 340 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 310 | 1000 |
| 1-Methylnaphthalene | 1400 | ug/L | 200 | 320 | 1100 |
| 2-Methylnaphthalene | 1900 | ug/L | 200 | 310 | 1000 |
| 2-Methylphenol | 1000 | ug/L | 200 | 220 | 820 |
| 3 & 4-Methylphenol | 1900 | ug/L | 200 | 250 | 840 |
| Naphthalene | 8900 | ug/L | 200 | 330 | 1100 |
| Phenanthrene | ND | ug/L | 200 | 290 | 950 |
| Phenol | 690 | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 290 | 960 |
| Benzo[e]pyrene | ND | ug/L | 200 | 220 | 740 |
| 2-Fluorophenol (SURR**) | 37% | | | | |
| Phenol-d5 (SURR**) | 39% | | | | |
| Nitrobenzene-d5 (SURR**) | 89% | | | | |
| 2-Fluorobiphenyl (SURR**) | 107% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 69% | | | | |
| Terphenyl-d14 (SURR**) | 92% | | | | |

**ANALYTICAL RESULTS: *Semi-Volatile Organic Compounds by EPA 8270C - Water***

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84535**

**Project Description: Xcel Ashland 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 11/04/2004 10:05**

**Sample: 350753** **NS-GW-MW-22B-0904** **Collected: 09/21/04** **Analyzed: 09/27/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | [1.4] | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | [1.8] | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | [4.8] | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | [2.6] | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | 4.9 | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | [1.8] | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 38% | | | | |
| Phenol-d5 (SURR**) | 25% | | | | |
| Nitrobenzene-d5 (SURR**) | 75% | | | | |
| 2-Fluorobiphenyl (SURR**) | 78% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 80% | | | | |
| Terphenyl-d14 (SURR**) | 74% | | | | |

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84535**
**Project Description: Xcel Ashland 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 11/04/2004 10:05**

**Sample: 350754** **NS-GW-MW-16-0904** **Collected: 09/21/04** **Analyzed: 09/27/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 37% | | | | |
| Phenol-d5 (SURR**) | 23% | | | | |
| Nitrobenzene-d5 (SURR**) | 73% | | | | |
| 2-Fluorobiphenyl (SURR**) | 76% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 91% | | | | |
| Terphenyl-d14 (SURR**) | 73% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 84535**
**NLS Customer: 91206**

**Fax: 414 831 4101 Phone: 414 831 4100**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Ben Nelson**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Project:** **Xcel Ashland 25688375**

**NS-GW-MW-06A-0904 NLS ID: 350747**
Ref. Line 1 COC 72155 NS-GW-MW-06A-0904 Matrix: GW
Collected: 09/21/04 08:45 Received: 09/22/04
Notes: Hexavalent Chromium & dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.038 | mg/L | 1 | 0.0042 | 0.015 | 10/13/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0070] | mg/L | 1 | 0.0042 | 0.015 | 10/13/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 09/30/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 09/30/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/07/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/07/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 670 | ug/L | 1 | 2.5* | 5.0 | 10/13/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 420 | ug/L | 1 | 2.5* | 5.0 | 10/13/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 270 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 240 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 09/22/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 10/14/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 1.8 | ug/L | 1 | 0.51 | 1.8 | 10/13/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 10/13/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | [2.1] | ug/L | 1 | 1.3 | 4.0 | 10/13/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | 4.4 | ug/L | 1 | 1.3 | 4.0 | 10/13/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 09/28/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 10/13/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 10/13/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | [1.3] | ug/L | 1 | 0.87 | 3.0 | 10/13/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | 5.2 | ug/L | 1 | 0.87 | 3.0 | 10/13/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 110 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 120 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 60 | ug/L | 1 | 1.0* | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 410 | ug/L | 1 | 1.0* | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 5 | 0.13* | 0.25 | 09/28/04 | 245.7M/ 1631M | 721026460 |
| | Dilution due to insufficient sample volume. | | | | | | | |
| Mercury, tot. as Hg | ND | ug/L | 2 | 0.050 | 0.10 | 09/28/04 | 245.7M/ 1631M | 721026460 |
| | Dilution due to insufficient sample volume. | | | | | | | |
| Nickel, tot. as Ni by ICP-Trace | 2.0 | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 4.7 | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 6.6 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 7.9 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/01/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/01/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 130 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84535
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-06A-0904 NLS ID: 350747**
Ref. Line 1 COC 72155 NS-GW-MW-06A-0904 Matrix: GW
Collected: 09/21/04 08:45 Received: 09/22/04
Notes: Hexavalent Chromium & dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Sodium, tot. as Na | 320 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 09/30/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 09/30/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 9.2 | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 8.7 | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | [6.1] | ug/L | 1 | 5.0* | 10 | 10/13/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | 17 | ug/L | 1 | 5.0* | 10 | 10/13/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 09/23/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 09/23/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 09/23/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 09/23/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 09/24/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/23/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 09/27/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84535
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-15B-0904 NLS ID: 350748**
Ref. Line 2 COC 72155 NS-GW-MW-15B-0904 Matrix: GW
Collected: 09/21/04 09:50 Received: 09/22/04
Notes: Hexavalent Chromium & dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.11 | mg/L | 1 | 0.0042 | 0.015 | 10/13/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0070] | mg/L | 1 | 0.0042 | 0.015 | 10/13/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 09/30/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 09/30/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/07/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/07/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 240 | ug/L | 1 | 2.5* | 5.0 | 10/13/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 230 | ug/L | 1 | 2.5* | 5.0 | 10/13/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 190 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 190 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 09/22/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 10/14/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 2.0 | ug/L | 1 | 0.51 | 1.8 | 10/13/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | 2.1 | ug/L | 1 | 0.51 | 1.8 | 10/13/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | [2.9] | ug/L | 1 | 1.3 | 4.0 | 10/13/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | [2.2] | ug/L | 1 | 1.3 | 4.0 | 10/13/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 09/28/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | [0.093] | mg/L | 1 | 0.033 | 0.10 | 10/13/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 10/13/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 5.1 | ug/L | 1 | 0.87 | 3.0 | 10/13/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [1.2] | ug/L | 1 | 0.87 | 3.0 | 10/13/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 88 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 89 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 120 | ug/L | 1 | 1.0* | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 95 | ug/L | 1 | 1.0* | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 09/28/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 09/28/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | [2.0] | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 2.6 | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 7.1 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 7.3 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/01/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/01/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 54 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 56 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 09/30/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 84535
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-15B-0904 NLS ID: 350748**
Ref. Line 2 COC 72155 NS-GW-MW-15B-0904 Matrix: GW
Collected: 09/21/04 09:50 Received: 09/22/04
Notes: Hexavalent Chromium & dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 09/30/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 4.5 | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 3.6 | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | [8.7] | ug/L | 1 | 5.0* | 10 | 10/13/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [5.2] | ug/L | 1 | 5.0* | 10 | 10/13/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 09/23/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 09/23/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 09/23/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 09/23/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 09/24/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/23/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 09/27/04 | SW846 8270C | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84535
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-15-0904 NLS ID: 350749**
Ref. Line 3 COC 72155 NS-GW-MW-15-0904 Matrix: GW
Collected: 09/21/04 10:00 Received: 09/22/04
Notes: Hexavalent Chromium & dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.16 | mg/L | 1 | 0.0042 | 0.015 | 10/13/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | 0.055 | mg/L | 1 | 0.0042 | 0.015 | 10/13/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 09/30/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | [3.6] | ug/L | 1 | 3.2 | 11 | 09/30/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [7.4] | ug/L | 1 | 2.6 | 9.0 | 10/07/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [8.7] | ug/L | 1 | 2.6 | 9.0 | 10/07/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 580 | ug/L | 1 | 2.5* | 5.0 | 10/13/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 470 | ug/L | 1 | 2.5* | 5.0 | 10/13/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | 3.3 | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | 3.7 | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 190 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 180 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 13 | ug/L | 1 | 3.6* | | 09/22/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 10/14/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 12 | ug/L | 1 | 0.51 | 1.8 | 10/13/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | 10 | ug/L | 1 | 0.51 | 1.8 | 10/13/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 3.0 | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | 3.4 | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/13/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/13/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | 0.86 | mg/L | 10 | 0.050 | 0.15 | 10/06/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 120 | mg/L | 1 | 0.033 | 0.10 | 10/13/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 140 | mg/L | 1 | 0.033 | 0.10 | 10/13/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | [1.1] | ug/L | 1 | 0.87 | 3.0 | 10/13/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/13/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 110 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 110 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 2300 | ug/L | 1 | 1.0* | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 2400 | ug/L | 1 | 1.0* | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 09/28/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 09/28/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 11 | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 7.8 | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 30 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 30 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | [2.6] | ug/L | 1 | 1.6 | 5.5 | 10/01/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/01/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 43 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 42 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 09/30/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
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400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84535
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-15-0904 NLS ID: 350749**
Ref. Line 3 COC 72155 NS-GW-MW-15-0904 Matrix: GW
Collected: 09/21/04 10:00 Received: 09/22/04
Notes: Hexavalent Chromium & dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 09/30/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 12 | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 9.7 | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 21 | ug/L | 1 | 5.0* | 10 | 10/13/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | 21 | ug/L | 1 | 5.0* | 10 | 10/13/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 09/23/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 09/23/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 09/23/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 09/23/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 09/24/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/23/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 09/27/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 84535
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel Ashland 25688375

**NS-GW-MW-4-0904 NLS ID: 350750**
Ref. Line 4 COC 72155 NS-GW-MW-4-0904 Matrix: GW
Collected: 09/21/04 11:25 Received: 09/22/04
*Notes: Hexavalent Chromium & dissolved metals were collected after 13:00 hours.*

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 49 | mg/L | 1 | 0.0042 | 0.015 | 10/13/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | 0.022 | mg/L | 1 | 0.0042 | 0.015 | 10/13/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | 13 | ug/L | 1 | 3.2 | 11 | 09/30/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 09/30/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | 10 | ug/L | 1 | 2.6 | 9.0 | 10/07/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | 15 | ug/L | 1 | 2.6 | 9.0 | 10/07/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 730 | ug/L | 1 | 2.5* | 5.0 | 10/13/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 380 | ug/L | 1 | 2.5* | 5.0 | 10/13/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 5 | 0.85 | 2.5 | 10/14/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | 2.3 | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | [0.18] | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 170 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 130 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 13 | ug/L | 1 | 3.6* | | 09/22/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 52 | ug/L | 1 | 3.6* | | 10/14/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 64 | ug/L | 1 | 0.51 | 1.8 | 10/13/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 10/13/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 30 | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | [1.6] | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 92 | ug/L | 1 | 1.3 | 4.0 | 10/13/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | 29 | ug/L | 1 | 1.3 | 4.0 | 10/13/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | 0.037 | mg/L | 1 | 0.0050 | 0.015 | 09/28/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 57 | mg/L | 1 | 0.033 | 0.10 | 10/13/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 8.0 | mg/L | 1 | 0.033 | 0.10 | 10/13/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 18 | ug/L | 1 | 0.87 | 3.0 | 10/13/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | 6.9 | ug/L | 1 | 0.87 | 3.0 | 10/13/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 92 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 72 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 5100 | ug/L | 5 | 5.0* | 10 | 10/14/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 4400 | ug/L | 1 | 1.0* | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 09/28/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | [0.045] | ug/L | 1 | 0.025 | 0.050 | 09/28/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 62 | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 23 | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 31 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 39 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/01/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/01/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 60 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 58 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 09/30/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 84535
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-4-0904 NLS ID: 350750**
Ref. Line 4 COC 72155 NS-GW-MW-4-0904 Matrix: GW
Collected: 09/21/04 11:25 Received: 09/22/04
Notes: Hexavalent Chromium & dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 09/30/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 110 | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 3.6 | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 190 | ug/L | 1 | 5.0* | 10 | 10/13/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | 11 | ug/L | 1 | 5.0* | 10 | 10/13/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 09/23/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 09/23/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 09/23/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 09/23/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 09/24/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/23/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 09/27/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84535
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-4A-0904 NLS ID: 350751**
Ref. Line 5 COC 72155 NS-GW-MW-4A-0904 Matrix: GW
Collected: 09/21/04 11:30 Received: 09/22/04
Notes: Hexavalent Chromium & dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.062 | mg/L | 1 | 0.0042 | 0.015 | 10/13/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.013] | mg/L | 1 | 0.0042 | 0.015 | 10/13/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 09/30/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 09/30/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [4.1] | ug/L | 1 | 2.6 | 9.0 | 10/07/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [3.8] | ug/L | 1 | 2.6 | 9.0 | 10/07/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 1100 | ug/L | 1 | 2.5* | 5.0 | 10/13/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 990 | ug/L | 1 | 2.5* | 5.0 | 10/13/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | [0.25] | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | [0.27] | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 150 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 140 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 14 | ug/L | 1 | 3.6* | | 09/22/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | ug/L | | 3.6* | | 10/14/04 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | |
| Chromium, tot. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 10/13/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 10/13/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 3.9 | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | 3.2 | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/13/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/13/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | 0.021 | mg/L | 1 | 0.0050 | 0.015 | 09/28/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 18 | mg/L | 1 | 0.033 | 0.10 | 10/13/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 8.2 | mg/L | 1 | 0.033 | 0.10 | 10/13/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/13/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [2.5] | ug/L | 1 | 0.87 | 3.0 | 10/13/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 66 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 62 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 2700 | ug/L | 1 | 1.0* | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 2100 | ug/L | 1 | 1.0* | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 09/28/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 09/28/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | [1.8] | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.7] | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 23 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 22 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/01/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/01/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 63 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 61 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 84535
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-4A-0904 NLS ID: 350751**
Ref. Line 5 COC 72155 NS-GW-MW-4A-0904 Matrix: GW
Collected: 09/21/04 11:30 Received: 09/22/04
Notes: Hexavalent Chromium & dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 09/30/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 09/30/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | [1.8] | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 2.2 | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | [6.8] | ug/L | 1 | 5.0* | 10 | 10/13/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/13/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 09/23/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 09/23/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 09/23/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 09/23/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 09/24/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/23/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 09/27/04 | SW846 8270C | 721026460 |

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Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 84535
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-22A-0904 NLS ID: 350752**
Ref. Line 6 COC 72155 NS-GW-MW-22A-0904 Matrix: GW
Collected: 09/21/04 14:00 Received: 09/22/04
Notes: Hexavalent Chromium & dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 7.2 | mg/L | 1 | 0.0042 | 0.015 | 10/13/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.014] | mg/L | 1 | 0.0042 | 0.015 | 10/13/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 09/30/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 09/30/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [5.9] | ug/L | 1 | 2.6 | 9.0 | 10/07/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [4.7] | ug/L | 1 | 2.6 | 9.0 | 10/07/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 930 | ug/L | 1 | 2.5* | 5.0 | 10/13/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 890 | ug/L | 1 | 2.5* | 5.0 | 10/13/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | [0.19] | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 110 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 110 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 8.8 | ug/L | 1 | 3.6* | | 09/22/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 3.7 | ug/L | 1 | 3.6* | | 10/14/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 12 | ug/L | 1 | 0.51 | 1.8 | 10/13/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 10/13/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 5.7 | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | 2.4 | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 67 | ug/L | 1 | 1.3 | 4.0 | 10/13/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/13/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | 0.021 | mg/L | 1 | 0.0050 | 0.015 | 09/28/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 9.2 | mg/L | 1 | 0.033 | 0.10 | 10/13/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 2.2 | mg/L | 1 | 0.033 | 0.10 | 10/13/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 7.4 | ug/L | 1 | 0.87 | 3.0 | 10/13/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [0.99] | ug/L | 1 | 0.87 | 3.0 | 10/13/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 67 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 65 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 1500 | ug/L | 1 | 1.0* | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 1400 | ug/L | 1 | 1.0* | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 09/28/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 09/28/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 30 | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 2.9 | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 12 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 14 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/01/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/01/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 44 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 43 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 09/30/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 84535
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-22A-0904 NLS ID: 350752**
Ref. Line 6 COC 72155 NS-GW-MW-22A-0904 Matrix: GW
Collected: 09/21/04 14:00 Received: 09/22/04
Notes: Hexavalent Chromium & dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 09/30/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 16 | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [1.2] | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 61 | ug/L | 1 | 5.0* | 10 | 10/13/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [8.2] | ug/L | 1 | 5.0* | 10 | 10/13/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 09/23/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 09/23/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 09/23/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 09/23/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 09/24/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/23/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 09/27/04 | SW846 8270C | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 84535**
**NLS Customer: 91206**

**Fax: 414 831 4101 Phone: 414 831 4100**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Ben Nelson**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Project:** **Xcel Ashland 25688375**

**NS-GW-MW-22B-0904 NLS ID: 350753**
Ref. Line 7 COC 72155 NS-GW-MW-22B-0904 Matrix: GW
Collected: 09/21/04 14:15 Received: 09/22/04
Notes: Hexavalent Chromium & dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.058 | mg/L | 1 | 0.0042 | 0.015 | 10/13/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.010] | mg/L | 1 | 0.0042 | 0.015 | 10/13/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 09/30/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 09/30/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [5.9] | ug/L | 1 | 2.6 | 9.0 | 10/07/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [5.2] | ug/L | 1 | 2.6 | 9.0 | 10/07/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 130 | ug/L | 1 | 2.5* | 5.0 | 10/13/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 130 | ug/L | 1 | 2.5* | 5.0 | 10/13/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 110 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 110 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 09/22/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 10/14/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [0.52] | ug/L | 1 | 0.51 | 1.8 | 10/13/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 10/13/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/13/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/13/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 09/28/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 0.65 | mg/L | 1 | 0.033 | 0.10 | 10/13/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 0.59 | mg/L | 1 | 0.033 | 0.10 | 10/13/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/13/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/13/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 71 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 74 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 240 | ug/L | 1 | 1.0* | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 240 | ug/L | 1 | 1.0* | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 09/28/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 09/28/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.5] | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 7.7 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 7.2 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/01/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/01/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 33 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 31 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 09/30/04 | SW846 7841 | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84535
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-22B-0904 NLS ID: 350753**
Ref. Line 7 COC 72155 NS-GW-MW-22B-0904 Matrix: GW
Collected: 09/21/04 14:15 Received: 09/22/04
Notes: Hexavalent Chromium & dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 09/30/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 12 | ug/L | 1 | 5.0* | 10 | 10/13/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/13/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 09/23/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 09/23/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 09/23/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 09/23/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 09/24/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/23/04 | SW846 3510 | 721026460 |
| Sem volatile GC/MS by 8270C | see attached | | | | | 09/27/04 | SW846 8270C | 721026460 |

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Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84535
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-16-0904 NLS ID: 350754**
Ref. Line 8 COC 72155 NS-GW-MW-16-0904 Matrix: GW
Collected: 09/21/04 14:50 Received: 09/22/04
Notes: Hexavalent Chromium & dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 1.3 | mg/L | 1 | 0.0042 | 0.015 | 10/13/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.010] | mg/L | 1 | 0.0042 | 0.015 | 10/13/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 09/30/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 09/30/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/07/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/07/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 220 | ug/L | 1 | 2.5* | 5.0 | 10/13/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 230 | ug/L | 1 | 2.5* | 5.0 | 10/13/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/13/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 120 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 120 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 10 | ug/L | 1 | 3.6* | | 09/22/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | ug/L | | 3.6* | | 10/14/04 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | |
| Chromium, tot. as Cr by ICP-Trace | 1.8 | ug/L | 1 | 0.51 | 1.8 | 10/13/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 10/13/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | [0.79] | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | [1.1] | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 8.6 | ug/L | 1 | 1.3 | 4.0 | 10/13/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | 7.7 | ug/L | 1 | 1.3 | 4.0 | 10/13/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 09/28/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 1.1 | mg/L | 1 | 0.033 | 0.10 | 10/13/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 10/13/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/13/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/13/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 45 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 42 | mg/L | 1 | 0.15* | 0.30 | 10/13/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 1100 | ug/L | 1 | 1.0* | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 1200 | ug/L | 1 | 1.0* | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 09/28/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 09/28/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 5.2 | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 5.7 | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 12 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 9.2 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/01/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/01/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 110 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 110 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 84535
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-16-0904 NLS ID: 350754**
Ref. Line 8 COC 72155 NS-GW-MW-16-0904 Matrix: GW
Collected: 09/21/04 14:50 Received: 09/22/04
Notes: Hexavalent Chromium & dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 09/30/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 09/30/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 5.3 | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 3.3 | ug/L | 1 | 0.67 | 2.0 | 10/13/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | [8.8] | ug/L | 1 | 5.0* | 10 | 10/13/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [8.7] | ug/L | 1 | 5.0* | 10 | 10/13/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 09/23/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 09/23/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 09/23/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 09/23/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 09/24/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/23/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 09/27/04 | SW846 8270C | 721026460 |

**NS-WQ-TRIPBLANK2-0904 NLS ID: 350755**
Ref. Line 9 COC 72155 NS-WQ-TRIPBLANK2-0904 Matrix: TB
Collected: 09/21/04 00:00 Received: 09/22/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 09/24/04 | SW846 8260 | 721026460 |

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation" LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84585**

**Project Description: Xcel Ashland/25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 11/04/2004 10:06**

**Sample: 350912** **NS-GW-MW-05-0904** **Collected: 09/22/04** **Analyzed: 09/27/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [0.27] | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | [0.37] | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 112% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

**Sample: 350913** **NS-GW-MW-5C-0904** **Collected: 09/22/04** **Analyzed: 09/27/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | [0.50] | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 92% | | | | |
| Toluene-d8 (SURR**) | 100% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 90% | | | | |

**Sample: 350914** **NS-WQ-MW-5C-MS/MSD-0904** **Collected: 09/22/04** **Analyzed: 09/27/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | [0.47] | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 102% | | | | |
| Toluene-d8 (SURR**) | 107% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 97% | | | | |

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84585**
**Project Description: Xcel Ashland/25688375**
**Project Title:** **Template: SAT2NSP** **Printed: 11/04/2004 10:06**

**Sample: 350915** **NS-GW-MW-5B-0904** **Collected: 09/22/04** **Analyzed: 09/27/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 35000 | ug/L | 2500 | 290 | 960 |
| sec-Butylbenzene | ND | ug/L | 2500 | 390 | 1300 |
| Ethylbenzene | [700] | ug/L | 2500 | 350 | 1200 |
| ortho-Xylene | 1800 | ug/L | 2500 | 330 | 1100 |
| Styrene | 5200 | ug/L | 2500 | 350 | 1200 |
| Toluene | 20000 | ug/L | 2500 | 510 | 1900 |
| 1,2,4-Trimethylbenzene | [600] | ug/L | 2500 | 360 | 1200 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 2500 | 310 | 1000 |
| meta,para-Xylene | 3400 | ug/L | 2500 | 660 | 2200 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 2500 | 510 | 1700 |
| Dibromofluoromethane (SURR**) | 94% | | | | |
| Toluene-d8 (SURR**) | 104% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 96% | | | | |

**Sample: 350916** **NS-GW-MW-5A-0904** **Collected: 09/22/04** **Analyzed: 09/27/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 28000 | ug/L | 2000 | 230 | 770 |
| sec-Butylbenzene | ND | ug/L | 2000 | 310 | 1000 |
| Ethylbenzene | 3600 | ug/L | 2000 | 280 | 940 |
| ortho-Xylene | 1100 | ug/L | 2000 | 270 | 890 |
| Styrene | ND | ug/L | 2000 | 280 | 940 |
| Toluene | 8300 | ug/L | 2000 | 410 | 1500 |
| 1,2,4-Trimethylbenzene | [330] | ug/L | 2000 | 290 | 960 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 2000 | 240 | 810 |
| meta,para-Xylene | 2100 | ug/L | 2000 | 520 | 1800 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 2000 | 410 | 1400 |
| Dibromofluoromethane (SURR**) | 98% | | | | |
| Toluene-d8 (SURR**) | 105% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 98% | | | | |

**Sample: 350917** **NS-GW-MW-19B-0904** **Collected: 09/22/04** **Analyzed: 09/27/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 7200 | ug/L | 500 | 58 | 190 |
| sec-Butylbenzene | ND | ug/L | 500 | 79 | 260 |
| Ethylbenzene | 350 | ug/L | 500 | 71 | 230 |
| ortho-Xylene | 940 | ug/L | 500 | 67 | 220 |
| Styrene | 2600 | ug/L | 500 | 70 | 230 |
| Toluene | 8500 | ug/L | 500 | 100 | 390 |
| 1,2,4-Trimethylbenzene | 330 | ug/L | 500 | 72 | 240 |
| 1,3,5-Trimethylbenzene | [82] | ug/L | 500 | 61 | 200 |
| meta,para-Xylene | 1800 | ug/L | 500 | 130 | 440 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 500 | 100 | 340 |
| Dibromofluoromethane (SURR**) | 98% | | | | |
| Toluene-d8 (SURR**) | 103% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84585**

**Project Description: Xcel Ashland/25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 11/04/2004 10:06**

**Sample: 350918** **NS-GW-MW-19A-0904** **Collected: 09/22/04** **Analyzed: 09/27/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 31000 | ug/L | 2500 | 290 | 960 |
| sec-Butylbenzene | ND | ug/L | 2500 | 390 | 1300 |
| Ethylbenzene | [690] | ug/L | 2500 | 350 | 1200 |
| ortho-Xylene | 1600 | ug/L | 2500 | 330 | 1100 |
| Styrene | 4500 | ug/L | 2500 | 350 | 1200 |
| Toluene | 20000 | ug/L | 2500 | 510 | 1900 |
| 1,2,4-Trimethylbenzene | [560] | ug/L | 2500 | 360 | 1200 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 2500 | 310 | 1000 |
| meta,para-Xylene | 3200 | ug/L | 2500 | 660 | 2200 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 2500 | 510 | 1700 |
| Dibromofluoromethane (SURR**) | 104% | | | | |
| Toluene-d8 (SURR**) | 114% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

**Sample: 350919** **NS-GW-MW03-0904** **Collected: 09/22/04** **Analyzed: 09/27/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 0.39 | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | [0.21] | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | 0.52 | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | [0.28] | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 104% | | | | |
| Toluene-d8 (SURR**) | 111% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 103% | | | | |

**Sample: 350920** **NS-GW-MW11-0904** **Collected: 09/22/04** **Analyzed: 09/27/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | ND | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 102% | | | | |
| Toluene-d8 (SURR**) | 104% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 95% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84585**

**Project Description: Xcel Ashland/25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 11/04/2004 10:06**

**Sample: 350921** **NS-WQ-Dup2-0904** **Collected: 09/22/04** **Analyzed: 09/27/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 30000 | ug/L | 2500 | 290 | 960 |
| sec-Butylbenzene | ND | ug/L | 2500 | 390 | 1300 |
| Ethylbenzene | [610] | ug/L | 2500 | 350 | 1200 |
| ortho-Xylene | 1500 | ug/L | 2500 | 330 | 1100 |
| Styrene | 4100 | ug/L | 2500 | 350 | 1200 |
| Toluene | 20000 | ug/L | 2500 | 510 | 1900 |
| 1,2,4-Trimethylbenzene | [530] | ug/L | 2500 | 360 | 1200 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 2500 | 310 | 1000 |
| meta,para-Xylene | 3000 | ug/L | 2500 | 660 | 2200 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 2500 | 510 | 1700 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 112% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

**Sample: 350922** **NS-GW-MW-1-0904** **Collected: 09/22/04** **Analyzed: 09/28/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | [0.42] | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 94% | | | | |
| Toluene-d8 (SURR**) | 99% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 89% | | | | |

**Sample: 350923** **NS-GW-MW-2BR-0904** **Collected: 09/22/04** **Analyzed: 09/28/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 1100 | ug/L | 500 | 58 | 190 |
| sec-Butylbenzene | ND | ug/L | 500 | 79 | 260 |
| Ethylbenzene | 1300 | ug/L | 500 | 71 | 230 |
| ortho-Xylene | 990 | ug/L | 500 | 67 | 220 |
| Styrene | 900 | ug/L | 500 | 70 | 230 |
| Toluene | 4600 | ug/L | 500 | 100 | 390 |
| 1,2,4-Trimethylbenzene | 310 | ug/L | 500 | 72 | 240 |
| 1,3,5-Trimethylbenzene | [79] | ug/L | 500 | 61 | 200 |
| meta,para-Xylene | 1800 | ug/L | 500 | 130 | 440 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 500 | 100 | 340 |
| Dibromofluoromethane (SURR**) | 96% | | | | |
| Toluene-d8 (SURR**) | 106% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84585**

**Project Description: Xcel Ashland/25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 11/04/2004 10:06**

**Sample: 350924** **NS-GW-MW-2C-0904** **Collected: 09/22/04** **Analyzed: 09/28/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [0.21] | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | [0.49] | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | [0.16] | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 102% | | | | |
| Toluene-d8 (SURR**) | 108% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

**Sample: 350925** **NS-WQ-Trip Blank 3-0904** **Collected: 09/22/04** **Analyzed: 09/28/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | [0.26] | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 101% | | | | |
| Toluene-d8 (SURR**) | 107% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84585**

**Project Description: Xcel Ashland/25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 11/04/2004 10:06**

**Sample: 350912** **NS-GW-MW-05-0904** **Collected: 09/22/04** **Analyzed: 09/28/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 37% | | | | |
| Phenol-d5 (SURR**) | 24% | | | | |
| Nitrobenzene-d5 (SURR**) | 71% | | | | |
| 2-Fluorobiphenyl (SURR**) | 75% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 87% | | | | |
| Terphenyl-d14 (SURR**) | 64% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84585**

**Project Description: Xcel Ashland/25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 11/04/2004 10:06**

**Sample: 350913** **NS-GW-MW-5C-0904** **Collected: 09/22/04** **Analyzed: 09/28/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 37% | | | | |
| Phenol-d5 (SURR**) | 23% | | | | |
| Nitrobenzene-d5 (SURR**) | 68% | | | | |
| 2-Fluorobiphenyl (SURR**) | 71% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 86% | | | | |
| Terphenyl-d14 (SURR**) | 62% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84585**

**Project Description: Xcel Ashland/25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 11/04/2004 10:06**

**Sample: 350914** **NS-WQ-MW-5C-MS/MSD-0904** **Collected: 09/22/04** **Analyzed: 09/28/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 38% | | | | |
| Phenol-d5 (SURR**) | 24% | | | | |
| Nitrobenzene-d5 (SURR**) | 70% | | | | |
| 2-Fluorobiphenyl (SURR**) | 73% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 83% | | | | |
| Terphenyl-d14 (SURR**) | 78% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84585**

**Project Description: Xcel Ashland/25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 11/04/2004 10:06**

**Sample: 350915** **NS-GW-MW-5B-0904** **Collected: 09/22/04** **Analyzed: 09/28/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 300 | 1000 |
| Acenaphthylene | [600] | ug/L | 200 | 340 | 1100 |
| Anthracene | ND | ug/L | 200 | 270 | 900 |
| Benzo[a]anthracene | ND | ug/L | 200 | 280 | 920 |
| Benzo[a]pyrene | ND | ug/L | 200 | 280 | 920 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 250 | 840 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 270 | 900 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 340 | 1100 |
| Chrysene | ND | ug/L | 200 | 280 | 930 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 260 | 880 |
| Dibenzofuran | ND | ug/L | 200 | 310 | 1000 |
| Fluoranthene | ND | ug/L | 200 | 290 | 950 |
| Fluorene | ND | ug/L | 200 | 340 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 310 | 1000 |
| 1-Methylnaphthalene | 1400 | ug/L | 200 | 320 | 1100 |
| 2-Methylnaphthalene | 2200 | ug/L | 200 | 310 | 1000 |
| 2-Methylphenol | 1600 | ug/L | 200 | 220 | 820 |
| 3 & 4-Methylphenol | 2800 | ug/L | 200 | 250 | 840 |
| Naphthalene | 8000 | ug/L | 200 | 330 | 1100 |
| Phenanthrene | [350] | ug/L | 200 | 290 | 950 |
| Phenol | 990 | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 290 | 960 |
| Benzo[e]pyrene | ND | ug/L | 200 | 220 | 740 |
| 2-Fluorophenol (SURR**) | 19% | | | | |
| Phenol-d5 (SURR**) | 37% | | | | |
| Nitrobenzene-d5 (SURR**) | 93% | | | | |
| 2-Fluorobiphenyl (SURR**) | 107% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 96% | | | | |
| Terphenyl-d14 (SURR**) | 87% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84585**

**Project Description: Xcel Ashland/25688375**

***Project Title:*** ***Template: 8270WNSP*** ***Printed: 11/04/2004 10:06***

**Sample: 350916** **NS-GW-MW-5A-0904** **Collected: 09/22/04** **Analyzed: 09/28/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 100 | 150 | 500 |
| Acenaphthylene | ND | ug/L | 100 | 170 | 560 |
| Anthracene | ND | ug/L | 100 | 140 | 450 |
| Benzo[a]anthracene | ND | ug/L | 100 | 140 | 460 |
| Benzo[a]pyrene | ND | ug/L | 100 | 140 | 460 |
| Benzo[b]fluoranthene | ND | ug/L | 100 | 130 | 420 |
| Benzo[g,h,i]perylene | ND | ug/L | 100 | 130 | 450 |
| Benzo[k]fluoranthene | ND | ug/L | 100 | 170 | 560 |
| Chrysene | ND | ug/L | 100 | 140 | 460 |
| Dibenzo[a,h]anthracene | ND | ug/L | 100 | 130 | 440 |
| Dibenzofuran | ND | ug/L | 100 | 160 | 520 |
| Fluoranthene | ND | ug/L | 100 | 140 | 480 |
| Fluorene | ND | ug/L | 100 | 170 | 570 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 100 | 150 | 510 |
| 1-Methylnaphthalene | [340] | ug/L | 100 | 160 | 530 |
| 2-Methylnaphthalene | [450] | ug/L | 100 | 150 | 510 |
| 2-Methylphenol | 760 | ug/L | 100 | 110 | 410 |
| 3 & 4-Methylphenol | 1100 | ug/L | 100 | 130 | 420 |
| Naphthalene | 3500 | ug/L | 100 | 170 | 550 |
| Phenanthrene | ND | ug/L | 100 | 140 | 480 |
| Phenol | ND | ug/L | 100 | 51 | 170 |
| Pyrene | ND | ug/L | 100 | 140 | 480 |
| Benzo[e]pyrene | ND | ug/L | 100 | 110 | 370 |
| 2-Fluorophenol (SURR**) | 33% | | | | |
| Phenol-d5 (SURR**) | 26% | | | | |
| Nitrobenzene-d5 (SURR**) | 89% | | | | |
| 2-Fluorobiphenyl (SURR**) | 99% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 73% | | | | |
| Terphenyl-d14 (SURR**) | 76% | | | | |

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84585**
**Project Description: Xcel Ashland/25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 11/04/2004 10:06**

**Sample: 350917** **NS-GW-MW-19B-0904** **Collected: 09/22/04** **Analyzed: 09/28/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 300 | 1000 |
| Acenaphthylene | ND | ug/L | 200 | 340 | 1100 |
| Anthracene | ND | ug/L | 200 | 270 | 900 |
| Benzo[a]anthracene | ND | ug/L | 200 | 280 | 920 |
| Benzo[a]pyrene | ND | ug/L | 200 | 280 | 920 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 250 | 840 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 270 | 900 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 340 | 1100 |
| Chrysene | ND | ug/L | 200 | 280 | 930 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 260 | 880 |
| Dibenzofuran | ND | ug/L | 200 | 310 | 1000 |
| Fluoranthene | ND | ug/L | 200 | 290 | 950 |
| Fluorene | ND | ug/L | 200 | 340 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 310 | 1000 |
| 1-Methylnaphthalene | [500] | ug/L | 200 | 320 | 1100 |
| 2-Methylnaphthalene | [740] | ug/L | 200 | 310 | 1000 |
| 2-Methylphenol | ND | ug/L | 200 | 220 | 820 |
| 3 & 4-Methylphenol | ND | ug/L | 200 | 250 | 840 |
| Naphthalene | 4200 | ug/L | 200 | 330 | 1100 |
| Phenanthrene | ND | ug/L | 200 | 290 | 950 |
| Phenol | ND | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 290 | 960 |
| Benzo[e]pyrene | ND | ug/L | 200 | 220 | 740 |
| 2-Fluorophenol (SURR**) | 29% | | | | |
| Phenol-d5 (SURR**) | 19% | | | | |
| Nitrobenzene-d5 (SURR**) | 70% | | | | |
| 2-Fluorobiphenyl (SURR**) | 105% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 34% | | | | |
| Terphenyl-d14 (SURR**) | 73% | | | | |

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84585**
**Project Description: Xcel Ashland/25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 11/04/2004 10:06**

**Sample: 350918** **NS-GW-MW-19A-0904** **Collected: 09/22/04** **Analyzed: 09/28/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 300 | 1000 |
| Acenaphthylene | ND | ug/L | 200 | 340 | 1100 |
| Anthracene | ND | ug/L | 200 | 270 | 900 |
| Benzo[a]anthracene | ND | ug/L | 200 | 280 | 920 |
| Benzo[a]pyrene | ND | ug/L | 200 | 280 | 920 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 250 | 840 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 270 | 900 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 340 | 1100 |
| Chrysene | ND | ug/L | 200 | 280 | 930 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 260 | 880 |
| Dibenzofuran | ND | ug/L | 200 | 310 | 1000 |
| Fluoranthene | ND | ug/L | 200 | 290 | 950 |
| Fluorene | ND | ug/L | 200 | 340 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 310 | 1000 |
| 1-Methylnaphthalene | [770] | ug/L | 200 | 320 | 1100 |
| 2-Methylnaphthalene | 1100 | ug/L | 200 | 310 | 1000 |
| 2-Methylphenol | [500] | ug/L | 200 | 220 | 820 |
| 3 & 4-Methylphenol | [780] | ug/L | 200 | 250 | 840 |
| Naphthalene | 6600 | ug/L | 200 | 330 | 1100 |
| Phenanthrene | ND | ug/L | 200 | 290 | 950 |
| Phenol | [150] | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 290 | 960 |
| Benzo[e]pyrene | ND | ug/L | 200 | 220 | 740 |
| 2-Fluorophenol (SURR**) | 27% | | | | |
| Phenol-d5 (SURR**) | 23% | | | | |
| Nitrobenzene-d5 (SURR**) | 80% | | | | |
| 2-Fluorobiphenyl (SURR**) | 99% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 63% | | | | |
| Terphenyl-d14 (SURR**) | 71% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84585**

**Project Description: Xcel Ashland/25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 11/04/2004 10:06**

**Sample: 350919** **NS-GW-MW03-0904** **Collected: 09/22/04** **Analyzed: 09/28/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 7.1 | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | [1.9] | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 38% | | | | |
| Phenol-d5 (SURR**) | 25% | | | | |
| Nitrobenzene-d5 (SURR**) | 75% | | | | |
| 2-Fluorobiphenyl (SURR**) | 77% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 92% | | | | |
| Terphenyl-d14 (SURR**) | 63% | | | | |

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84585**
**Project Description: Xcel Ashland/25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 11/04/2004 10:06**

**Sample: 350920** **NS-GW-MW11-0904** **Collected: 09/22/04** **Analyzed: 09/28/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 37% | | | | |
| Phenol-d5 (SURR**) | 24% | | | | |
| Nitrobenzene-d5 (SURR**) | 70% | | | | |
| 2-Fluorobiphenyl (SURR**) | 74% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 91% | | | | |
| Terphenyl-d14 (SURR**) | 66% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84585**

**Project Description: Xcel Ashland/25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 11/04/2004 10:06**

**Sample: 350921** **NS-WQ-Dup2-0904** **Collected: 09/22/04** **Analyzed: 09/28/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 300 | 1000 |
| Acenaphthylene | ND | ug/L | 200 | 340 | 1100 |
| Anthracene | ND | ug/L | 200 | 270 | 900 |
| Benzo[a]anthracene | ND | ug/L | 200 | 280 | 920 |
| Benzo[a]pyrene | ND | ug/L | 200 | 280 | 920 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 250 | 840 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 270 | 900 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 340 | 1100 |
| Chrysene | ND | ug/L | 200 | 280 | 930 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 260 | 880 |
| Dibenzofuran | ND | ug/L | 200 | 310 | 1000 |
| Fluoranthene | ND | ug/L | 200 | 290 | 950 |
| Fluorene | ND | ug/L | 200 | 340 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 310 | 1000 |
| 1-Methylnaphthalene | [870] | ug/L | 200 | 320 | 1100 |
| 2-Methylnaphthalene | 1300 | ug/L | 200 | 310 | 1000 |
| 2-Methylphenol | [550] | ug/L | 200 | 220 | 820 |
| 3 & 4-Methylphenol | 880 | ug/L | 200 | 250 | 840 |
| Naphthalene | 7300 | ug/L | 200 | 330 | 1100 |
| Phenanthrene | ND | ug/L | 200 | 290 | 950 |
| Phenol | [170] | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 290 | 960 |
| Benzo[e]pyrene | ND | ug/L | 200 | 220 | 740 |
| 2-Fluorophenol (SURR**) | 32% | | | | |
| Phenol-d5 (SURR**) | 29% | | | | |
| Nitrobenzene-d5 (SURR**) | 93% | | | | |
| 2-Fluorobiphenyl (SURR**) | 112% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 82% | | | | |
| Terphenyl-d14 (SURR**) | 80% | | | | |

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84585**
**Project Description: Xcel Ashland/25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 11/04/2004 10:06**

**Sample: 350922** **NS-GW-MW-1-0904** **Collected: 09/22/04** **Analyzed: 09/28/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 36% | | | | |
| Phenol-d5 (SURR**) | 24% | | | | |
| Nitrobenzene-d5 (SURR**) | 71% | | | | |
| 2-Fluorobiphenyl (SURR**) | 74% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 83% | | | | |
| Terphenyl-d14 (SURR**) | 63% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84585**

**Project Description: Xcel Ashland/25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 11/04/2004 10:06**

**Sample: 350923** **NS-GW-MW-2BR-0904** **Collected: 09/22/04** **Analyzed: 09/28/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 300 | 1000 |
| Acenaphthylene | ND | ug/L | 200 | 340 | 1100 |
| Anthracene | ND | ug/L | 200 | 270 | 900 |
| Benzo[a]anthracene | ND | ug/L | 200 | 280 | 920 |
| Benzo[a]pyrene | ND | ug/L | 200 | 280 | 920 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 250 | 840 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 270 | 900 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 340 | 1100 |
| Chrysene | ND | ug/L | 200 | 280 | 930 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 260 | 880 |
| Dibenzofuran | ND | ug/L | 200 | 310 | 1000 |
| Fluoranthene | ND | ug/L | 200 | 290 | 950 |
| Fluorene | ND | ug/L | 200 | 340 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 310 | 1000 |
| 1-Methylnaphthalene | [460] | ug/L | 200 | 320 | 1100 |
| 2-Methylnaphthalene | [640] | ug/L | 200 | 310 | 1000 |
| 2-Methylphenol | ND | ug/L | 200 | 220 | 820 |
| 3 & 4-Methylphenol | ND | ug/L | 200 | 250 | 840 |
| Naphthalene | 4400 | ug/L | 200 | 330 | 1100 |
| Phenanthrene | ND | ug/L | 200 | 290 | 950 |
| Phenol | ND | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 290 | 960 |
| Benzo[e]pyrene | ND | ug/L | 200 | 220 | 740 |
| 2-Fluorophenol (SURR**) | 7% | | | | |
| Phenol-d5 (SURR**) | 17% | | | | |
| Nitrobenzene-d5 (SURR**) | 74% | | | | |
| 2-Fluorobiphenyl (SURR**) | 99% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 47% | | | | |
| Terphenyl-d14 (SURR**) | 79% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84585**

**Project Description: Xcel Ashland/25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 11/04/2004 10:06**

**Sample: 350924** **NS-GW-MW-2[illegible]-0904** **Collected: 09/22/04** **Analyzed: 09/28/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | [2.4] | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 35% | | | | |
| Phenol-d5 (SURR**) | 22% | | | | |
| Nitrobenzene-d5 (SURR**) | 69% | | | | |
| 2-Fluorobiphenyl (SURR**) | 72% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 78% | | | | |
| Terphenyl-d14 (SURR**) | 61% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel Ashland/25688375

NLS Project: 84585
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**NS-GW-MW-05-0904 NLS ID: 350912**
Ref. Line 1 COC 72156 NS-GW-MW-05-0904 Matrix: GW
Collected: 09/22/04 09:05 Received: 09/23/04
Notes: Hexavalent Chromium & Dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 2.4 | mg/L | 1 | 0.0042 | 0.015 | 10/14/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.012] | mg/L | 1 | 0.0042 | 0.015 | 10/14/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | [3.8] | ug/L | 1 | 3.2 | 11 | 10/09/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | [3.6] | ug/L | 1 | 3.2 | 11 | 10/09/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/08/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/08/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 120 | ug/L | 1 | 2.5* | 5.0 | 10/14/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 140 | ug/L | 1 | 2.5* | 5.0 | 10/14/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/14/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/14/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | 3.5 | ug/L | 1 | 0.17 | 0.50 | 10/14/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | 2.7 | ug/L | 1 | 0.17 | 0.50 | 10/14/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 210 | mg/L | 1 | 0.15* | 0.30 | 10/14/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 240 | mg/L | 1 | 0.15* | 0.30 | 10/14/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 09/23/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 10/15/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 3.5 | ug/L | 1 | 0.51 | 1.8 | 10/14/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 10/14/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | [1.9] | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | [0.71] | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 28 | ug/L | 1 | 1.3 | 4.0 | 10/14/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | 4.8 | ug/L | 1 | 1.3 | 4.0 | 10/14/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 09/28/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 3.4 | mg/L | 1 | 0.033 | 0.10 | 10/14/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 1.0 | mg/L | 1 | 0.033 | 0.10 | 10/14/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 17 | ug/L | 1 | 0.87 | 3.0 | 10/14/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/14/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 40 | mg/L | 1 | 0.15* | 0.30 | 10/14/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 45 | mg/L | 1 | 0.15* | 0.30 | 10/14/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 2200 | ug/L | 1 | 1.0* | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 1900 | ug/L | 1 | 1.0* | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | [0.029] | ug/L | 1 | 0.025* | 0.050 | 09/29/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | 0.20 | ug/L | 1 | 0.025 | 0.050 | 09/29/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 33 | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 27 | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 13 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 13 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/07/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/07/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 51 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 52 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/05/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



**Client:** URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

**Project:** Xcel Ashland/25688375

NLS Project: 84585
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**NS-GW-MW-05-0904 NLS ID: 350912**
Ref. Line 1 COC 72156 NS-GW-MW-05-0904 Matrix: GW
Collected: 09/22/04 09:05 Received: 09/23/04
Notes: Hexavalent Chromium & Dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/05/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 6.0 | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [1.1] | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 2100 | ug/L | 1 | 5.0* | 10 | 10/14/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | 2000 | ug/L | 1 | 5.0* | 10 | 10/14/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 09/24/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 09/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 09/24/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 09/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 09/27/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/24/04 | SW846 3510 | 721026460 |
| Sem volatile GC/MS by 8270C | see attached | | | | | 09/28/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 84585
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel Ashland/25688375

**NS-GW-MW-5C-0904 NLS ID: 350913**
Ref. Line 2 COC 72156 NS-GW-MW-5C-0904 Matrix: GW
Collected: 09/22/04 09:40 Received: 09/23/04
Notes: Hexavalent Chromium & Dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.016 | mg/L | 1 | 0.0042 | 0.015 | 10/14/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0090] | mg/L | 1 | 0.0042 | 0.015 | 10/14/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/09/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/09/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/08/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [2.7] | ug/L | 1 | 2.6 | 9.0 | 10/08/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 100 | ug/L | 1 | 2.5* | 5.0 | 10/14/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 110 | ug/L | 1 | 2.5* | 5.0 | 10/14/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/14/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/14/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/14/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/14/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 17 | mg/L | 1 | 0.15* | 0.30 | 10/14/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 18 | mg/L | 1 | 0.15* | 0.30 | 10/14/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 09/23/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 10/15/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [1.2] | ug/L | 1 | 0.51 | 1.8 | 10/14/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.87] | ug/L | 1 | 0.51 | 1.8 | 10/14/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/15/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/14/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 09/28/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 10/14/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 10/14/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/14/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/14/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 6.0 | mg/L | 1 | 0.15* | 0.30 | 10/14/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 6.5 | mg/L | 1 | 0.15* | 0.30 | 10/14/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 15 | ug/L | 1 | 1.0* | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 13 | ug/L | 1 | 1.0* | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 09/29/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 09/29/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.4 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 4.3 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/07/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/07/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 15 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 15 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/05/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84585
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland/25688375

**NS-GW-MW-5C-0904 NLS ID: 3509 L3**
Ref. Line 2 COC 72156 NS-GW-MW-5C-0904 Matrix: GW
Collected: 09/22/04 09:40 Received: 09/23/04
Notes: Hexavalent Chromium & Dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/05/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/14/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/14/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 09/24/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 09/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 09/24/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 09/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 09/27/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/24/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 09/28/04 | SW846 8270C | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Ben Nelson**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 84585**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel Ashland/25688375**

**NS-WQ-MW-5C-MS/MSD-0904 NLS ID: 350914**
Ref. Line 3 COC 72156 NS-WQ-MW-5C-MS/MSD-0904 Matrix: GW
Collected: 09/22/04 09:40 Received: 09/23/04
Notes: Hexavalent Chromium & Dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | [0.0070] | mg/L | 1 | 0.0042 | 0.015 | 10/14/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.010] | mg/L | 1 | 0.0042 | 0.015 | 10/14/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/09/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/09/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/08/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/08/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 100 | ug/L | 1 | 2.5* | 5.0 | 10/14/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 110 | ug/L | 1 | 2.5* | 5.0 | 10/14/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/14/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/14/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/14/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/14/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 17 | mg/L | 1 | 0.15* | 0.30 | 10/14/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 19 | mg/L | 1 | 0.15* | 0.30 | 10/14/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 09/23/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 10/15/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [0.99] | ug/L | 1 | 0.51 | 1.8 | 10/14/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.73] | ug/L | 1 | 0.51 | 1.8 | 10/14/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/15/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/14/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.0060] | mg/L | 1 | 0.0050 | 0.015 | 09/28/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 10/14/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 10/14/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/14/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/14/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 6.0 | mg/L | 1 | 0.15* | 0.30 | 10/14/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 6.7 | mg/L | 1 | 0.15* | 0.30 | 10/14/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 14 | ug/L | 1 | 1.0* | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 12 | ug/L | 1 | 1.0* | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 09/29/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 09/29/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.2] | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.4 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 4.4 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/07/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/07/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 16 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 15 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/05/04 | SW846 7841 | 721026460 |

NORTHERN [illegible]E SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84585
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland/25688375

**NS-WQ-MW-5C-MS/MSD-0904 NLS ID: 350914**
Ref. Line 3 COC 72156 NS-WQ-MW-5C-MS/MSD-0904 Matrix: GW
Collected: 09/22/04 09:40 Received: 09/23/04
Notes: Hexavalent Chromium & Dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/05/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/14/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [6.2] | ug/L | 1 | 5.0* | 10 | 10/14/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 09/24/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 09/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 09/24/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 09/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 09/27/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/24/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 09/28/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 84585
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel Ashland/25688375

**NS-GW-MW-5B-0904 NLS ID: 350915**
Ref. Line 4 COC 72156 NS-GW-MW-5B-0904 Matrix: GW
Collected: 09/22/04 09:50 Received: 09/23/04
Notes: Hexavalent Chromium & Dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.65 | mg/L | 1 | 0.0042 | 0.015 | 10/14/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0070] | mg/L | 1 | 0.0042 | 0.015 | 10/14/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/09/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/09/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/08/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [3.7] | ug/L | 1 | 2.6 | 9.0 | 10/08/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 500 | ug/L | 1 | 2.5* | 5.0 | 10/14/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 480 | ug/L | 1 | 2.5* | 5.0 | 10/14/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/14/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/14/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/14/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/14/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 96 | mg/L | 1 | 0.15* | 0.30 | 10/14/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 95 | mg/L | 1 | 0.15* | 0.30 | 10/14/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 6.3 | ug/L | 1 | 3.6* | | 09/23/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 10/15/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 2.0 | ug/L | 1 | 0.51 | 1.8 | 10/14/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.65] | ug/L | 1 | 0.51 | 1.8 | 10/14/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | [0.85] | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | [2.7] | ug/L | 1 | 1.3 | 4.0 | 10/15/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/14/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | 0.040 | mg/L | 1 | 0.0050 | 0.015 | 09/28/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 1.1 | mg/L | 1 | 0.033 | 0.10 | 10/14/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 0.56 | mg/L | 1 | 0.033 | 0.10 | 10/14/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 3.3 | ug/L | 1 | 0.87 | 3.0 | 10/14/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/14/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 52 | mg/L | 1 | 0.15* | 0.30 | 10/14/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 51 | mg/L | 1 | 0.15* | 0.30 | 10/14/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 190 | ug/L | 1 | 1.0* | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 190 | ug/L | 1 | 1.0* | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 09/29/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 09/29/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 2.7 | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.5] | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 6.3 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 6.3 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/07/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/07/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 31 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 30 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/05/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 84585
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland/25688375

**NS-GW-MW-5B-0904 NLS ID: 350915**

Ref. Line 4 COC 72156 NS-GW-MW-5B-0904 Matrix: GW
Collected: 09/22/04 09:50 Received: 09/23/04
Notes: Hexavalent Chromium & Dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/05/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 2.2 | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 17 | ug/L | 1 | 5.0* | 10 | 10/14/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/14/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 09/24/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 09/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 09/24/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 09/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 09/27/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/24/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 09/28/04 | SW846 8270C | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Ben Nelson**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 84585**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel Ashland/25688375**

**NS-GW-MW-5A-0904 NLS ID: 350916**
Ref. Line 5 COC 72156 NS-GW-MW-5A-0904 Matrix: GW
Collected: 09/22/04 10:05 Received: 09/23/04
Notes: Hexavalent Chromium & Dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.021 | mg/L | 1 | 0.0042 | 0.015 | 10/14/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0070] | mg/L | 1 | 0.0042 | 0.015 | 10/14/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/09/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/09/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/08/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/08/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 640 | ug/L | 1 | 2.5* | 5.0 | 10/14/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 580 | ug/L | 1 | 2.5* | 5.0 | 10/14/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/14/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/14/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/14/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/14/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 42 | mg/L | 1 | 0.15* | 0.30 | 10/14/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 44 | mg/L | 1 | 0.15* | 0.30 | 10/14/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 6.3 | ug/L | 1 | 3.6* | | 09/23/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | ug/L | | 3.6* | | 10/15/04 | Calc. | 721026460 |
| No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | | |
| Chromium, tot. as Cr by ICP-Trace | [0.63] | ug/L | 1 | 0.51 | 1.8 | 10/14/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 10/14/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/18/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/14/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | 0.019 | mg/L | 1 | 0.0050 | 0.015 | 09/28/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 2.7 | mg/L | 1 | 0.033 | 0.10 | 10/14/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 1.8 | mg/L | 1 | 0.033 | 0.10 | 10/14/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/14/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/14/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 40 | mg/L | 1 | 0.15* | 0.30 | 10/14/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 40 | mg/L | 1 | 0.15* | 0.30 | 10/14/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 110 | ug/L | 1 | 1.0* | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 160 | ug/L | 1 | 1.0* | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 09/29/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 09/29/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 5.6 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 5.1 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/07/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/07/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 40 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 38 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84585
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland/25688375

**NS-GW-MW-5A-0904 NLS ID: 3509 L6**
Ref. Line 5 COC 72156 NS-GW-MW-5A-0904 Matrix: GW
Collected: 09/22/04 10:05 Received: 09/23/04
Notes: Hexavalent Chromium & Dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/05/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/05/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/14/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/14/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 09/24/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 09/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 09/24/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 09/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 09/27/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/24/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 09/28/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84585
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland/25688375

**NS-GW-MW-19B-0904 NLS ID: 350917**
Ref. Line 6 COC 72156 NS-GW-MW-19B-0904 Matrix: GW
Collected: 09/22/04 12:00 Received: 09/23/04
Notes: Hexavalent Chromium & Dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | [0.015] | mg/L | 1 | 0.0042 | 0.015 | 10/14/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0060] | mg/L | 1 | 0.0042 | 0.015 | 10/14/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/09/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/09/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [3.0] | ug/L | 1 | 2.6 | 9.0 | 10/08/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [4.7] | ug/L | 1 | 2.6 | 9.0 | 10/08/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 190 | ug/L | 1 | 2.5* | 5.0 | 10/14/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 190 | ug/L | 1 | 2.5* | 5.0 | 10/14/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/14/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/14/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/14/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/14/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 47 | mg/L | 1 | 0.15* | 0.30 | 10/14/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 47 | mg/L | 1 | 0.15* | 0.30 | 10/14/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 3.7 | ug/L | 1 | 3.6* | | 09/23/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | ug/L | | 3.6* | | 10/15/04 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | |
| Chromium, tot. as Cr by ICP-Trace | [1.1] | ug/L | 1 | 0.51 | 1.8 | 10/14/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.60] | ug/L | 1 | 0.51 | 1.8 | 10/14/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/18/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/14/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 09/28/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | [0.045] | mg/L | 1 | 0.033 | 0.10 | 10/14/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | [0.040] | mg/L | 1 | 0.033 | 0.10 | 10/14/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/14/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/14/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 23 | mg/L | 1 | 0.15* | 0.30 | 10/14/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 24 | mg/L | 1 | 0.15* | 0.30 | 10/14/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 94 | ug/L | 1 | 1.0* | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 94 | ug/L | 1 | 1.0* | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 09/29/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 09/29/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 5.2 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 4.9 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/07/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/07/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 22 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 21 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84585
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland/25688375

**NS-GW-MW-19B-0904 NLS ID: 350917**
Ref. Line 6 COC 72156 NS-GW-MW-19B-0904 Matrix: GW
Collected: 09/22/04 12:00 Received: 09/23/04
Notes: Hexavalent Chromium & Dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/05/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/05/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/14/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/14/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 09/24/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 09/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 09/24/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 09/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 09/27/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/24/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 09/28/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 84585
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel Ashland/25688375

**NS-GW-MW-19A-0904 NLS ID: 350918**
Ref. Line 7 COC 72156 NS-GW-MW-19A-0904 Matrix: GW
Collected: 09/22/04 12:10 Received: 09/23/04
Notes: Hexavalent Chromium & Dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.017 | mg/L | 1 | 0.0042 | 0.015 | 10/14/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.012] | mg/L | 1 | 0.0042 | 0.015 | 10/14/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/09/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/09/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/08/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/08/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 130 | ug/L | 1 | 2.5* | 5.0 | 10/14/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 130 | ug/L | 1 | 2.5* | 5.0 | 10/14/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/14/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/14/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/14/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/14/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 68 | mg/L | 1 | 0.15* | 0.30 | 10/14/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 68 | mg/L | 1 | 0.15* | 0.30 | 10/14/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 09/23/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 10/15/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [0.89] | ug/L | 1 | 0.51 | 1.8 | 10/14/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.70] | ug/L | 1 | 0.51 | 1.8 | 10/14/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/18/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/14/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.0080] | mg/L | 1 | 0.0050 | 0.015 | 09/28/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | [0.038] | mg/L | 1 | 0.033 | 0.10 | 10/14/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 10/14/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/14/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/14/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 32 | mg/L | 1 | 0.15* | 0.30 | 10/14/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 32 | mg/L | 1 | 0.15* | 0.30 | 10/14/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 73 | ug/L | 1 | 1.0* | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 69 | ug/L | 1 | 1.0* | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 09/29/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 09/29/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 8.2 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 8.1 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/07/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/07/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 34 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 35 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/05/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84585
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland/25688375

**NS-GW-MW-19A-0904 NLS ID: 350918**
Ref. Line 7 COC 72156 NS-GW-MW-19A-0904 Matrix: GW
Collected: 09/22/04 12:10 Received: 09/23/04
Notes: Hexavalent Chromium & Dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/05/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [0.85] | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/14/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [5.4] | ug/L | 1 | 5.0* | 10 | 10/14/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 09/24/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 09/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 09/24/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 09/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 09/27/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/24/04 | SW846 3510 | 721026460 |
| Sem volatile GC/MS by 8270C | see attached | | | | | 09/28/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84585
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland/25688375

**NS-GW-MW03-0904 NLS ID: 350919**
Ref. Line 8 COC 72156 NS-GW-MW03-0904 Matrix: GW
Collected: 09/22/04 13:25 Received: 09/23/04
Notes: Hexavalent Chromium & Dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 1.4 | mg/L | 1 | 0.0042 | 0.015 | 10/14/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.012] | mg/L | 1 | 0.0042 | 0.015 | 10/14/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/09/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/09/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/08/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/08/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 210 | ug/L | 1 | 2.5* | 5.0 | 10/14/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 210 | ug/L | 1 | 2.5* | 5.0 | 10/14/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/14/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/14/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | [0.21] | ug/L | 1 | 0.17 | 0.50 | 10/14/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | [0.24] | ug/L | 1 | 0.17 | 0.50 | 10/14/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 200 | mg/L | 1 | 0.15* | 0.30 | 10/14/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 200 | mg/L | 1 | 0.15* | 0.30 | 10/14/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 5.0 | ug/L | 1 | 3.6* | | 09/23/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | ug/L | | 3.6* | | 10/15/04 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | |
| Chromium, tot. as Cr by ICP-Trace | 3.8 | ug/L | 1 | 0.51 | 1.8 | 10/14/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 10/14/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 9.0 | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | 9.5 | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 17 | ug/L | 1 | 1.3 | 4.0 | 10/18/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | [3.4] | ug/L | 1 | 1.3 | 4.0 | 10/14/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | 0.36 | mg/L | 4 | 0.020 | 0.060 | 09/28/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 4.3 | mg/L | 1 | 0.033 | 0.10 | 10/14/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 2.4 | mg/L | 1 | 0.033 | 0.10 | 10/14/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 3.1 | ug/L | 1 | 0.87 | 3.0 | 10/14/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/14/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 30 | mg/L | 1 | 0.15* | 0.30 | 10/14/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 31 | mg/L | 1 | 0.15* | 0.30 | 10/14/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 1400 | ug/L | 1 | 1.0* | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 1500 | ug/L | 1 | 1.0* | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 09/29/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 09/29/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 15 | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 16 | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 17 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 17 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/07/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/07/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 72 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 69 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 84585
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland/25688375

**NS-GW-MW03-0904 NLS ID: 350919**
Ref. Line 8 COC 72156 NS-GW-MW03-0904 Matrix: GW
Collected: 09/22/04 13:25 Received: 09/23/04
Notes: Hexavalent Chromium & Dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/05/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/05/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 3.2 | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 61 | ug/L | 1 | 5.0* | 10 | 10/14/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | 48 | ug/L | 1 | 5.0* | 10 | 10/14/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 09/24/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 09/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 09/24/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 09/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 09/27/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/24/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 09/28/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84585
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland/25688375

**NS-GW-MW11-0904 NLS ID: 350920**
Ref. Line 9 COC 72156 NS-GW-MW11-0904 Matrix: GW
Collected: 09/22/04 14:00 Received: 09/23/04
Notes: Hexavalent Chromium & Dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.18 | mg/L | 1 | 0.0042 | 0.015 | 10/14/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0070] | mg/L | 1 | 0.0042 | 0.015 | 10/14/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/09/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/09/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/08/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/08/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 130 | ug/L | 1 | 2.5* | 5.0 | 10/14/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 120 | ug/L | 1 | 2.5* | 5.0 | 10/14/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/14/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/14/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/14/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/14/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 87 | mg/L | 1 | 0.15* | 0.30 | 10/14/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 91 | mg/L | 1 | 0.15* | 0.30 | 10/14/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 6.3 | ug/L | 1 | 3.6* | | 09/23/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | ug/L | | 3.6* | | 10/15/04 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | |
| Chromium, tot. as Cr by ICP-Trace | [1.5] | ug/L | 1 | 0.51 | 1.8 | 10/14/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [1.3] | ug/L | 1 | 0.51 | 1.8 | 10/14/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | [2.3] | ug/L | 1 | 1.3 | 4.0 | 10/18/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/14/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 09/28/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 0.26 | mg/L | 1 | 0.033 | 0.10 | 10/14/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 10/14/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/14/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/14/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 36 | mg/L | 1 | 0.15* | 0.30 | 10/14/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 35 | mg/L | 1 | 0.15* | 0.30 | 10/14/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 13 | ug/L | 1 | 1.0* | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | [1.0] | ug/L | 1 | 1.0* | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 09/29/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 09/29/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [0.95] | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | [1.9] | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 1.9 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/07/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/07/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 37 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 35 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |

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Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 84585
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland/25688375

**NS-GW-MW11-0904 NLS ID: 350920**
Ref. Line 9 COC 72156 NS-GW-MW11-0904 Matrix: GW
Collected: 09/22/04 14:00 Received: 09/23/04
Notes: Hexavalent Chromium & Dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/05/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/05/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 2.1 | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [1.9] | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | [9.0] | ug/L | 1 | 5.0* | 10 | 10/14/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [5.8] | ug/L | 1 | 5.0* | 10 | 10/14/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 09/24/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 09/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 09/24/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 09/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 09/27/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/24/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 09/28/04 | SW846 8270C | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel Ashland/25688375

NLS Project: 84585
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**NS-WQ-Dup2-0904 NLS ID: 350921**
Ref. Line 10 COC 72156 NS-WQ-Dup2-0904 Matrix: GW
Collected: 09/22/04 00:00 Received: 09/23/04
Notes: Hexavalent Chromium & Dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.023 | mg/L | 1 | 0.0042 | 0.015 | 10/14/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.011] | mg/L | 1 | 0.0042 | 0.015 | 10/14/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/09/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/09/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/08/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/08/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 130 | ug/L | 1 | 2.5* | 5.0 | 10/14/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 130 | ug/L | 1 | 2.5* | 5.0 | 10/14/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/14/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/14/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/14/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/14/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 67 | mg/L | 1 | 0.15* | 0.30 | 10/14/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 67 | mg/L | 1 | 0.15* | 0.30 | 10/14/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 09/23/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 10/15/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [1.1] | ug/L | 1 | 0.51 | 1.8 | 10/14/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.99] | ug/L | 1 | 0.51 | 1.8 | 10/14/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/18/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/14/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.010] | mg/L | 1 | 0.0050 | 0.015 | 09/28/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | [0.039] | mg/L | 1 | 0.033 | 0.10 | 10/14/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 10/14/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/14/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/14/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 32 | mg/L | 1 | 0.15* | 0.30 | 10/14/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 32 | mg/L | 1 | 0.15* | 0.30 | 10/14/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 72 | ug/L | 1 | 1.0* | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 69 | ug/L | 1 | 1.0* | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 09/29/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 09/29/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 8.1 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 8.2 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/07/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/07/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 35 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 36 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/05/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84585
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland/25688375

**NS-WQ-Dup2-0904 NLS ID: 350921**
Ref. Line 10 COC 72156 NS-WQ-Dup2-0904 Matrix: GW
Collected: 09/22/04 00:00 Received: 09/23/04
Notes: Hexavalent Chromium & Dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/05/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [0.78] | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/14/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/14/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 09/24/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 09/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 09/24/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 09/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 09/27/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/24/04 | SW846 3510 | 721026460 |
| Sem volatile GC/MS by 8270C | see attached | | | | | 09/28/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel Ashland/25688375

NLS Project: 84585
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**NS-GW-MW-1-0904 NLS ID: 350922**
Ref. Line 1 COC 72157 NS-GW-MW-1-0904 Matrix: GW
Collected: 09/22/04 14:15 Received: 09/23/04
Notes: Hexavalent Chromium & Dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 3.5 | mg/L | 1 | 0.0042 | 0.015 | 10/14/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 10/14/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/11/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/11/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 2 | 5.1 | 18 | 10/13/04 | SW846 7060 | 721026460 |
| | Sample required a dilution to overcome negative interference encountered during analysis. | | | | | | | |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 2 | 5.1 | 18 | 10/13/04 | SW846 7060 | 721026460 |
| | Sample required a dilution to overcome negative interference encountered during analysis. | | | | | | | |
| Barium, tot. as Ba by ICP-Trace | 220 | ug/L | 1 | 2.5* | 5.0 | 10/14/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 200 | ug/L | 1 | 2.5* | 5.0 | 10/14/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/14/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/14/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/14/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/14/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 180 | mg/L | 1 | 0.15* | 0.30 | 10/14/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 180 | mg/L | 1 | 0.15* | 0.30 | 10/14/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 8.8 | ug/L | 1 | 3.6* | | 09/23/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | ug/L | | 3.6* | | 10/15/04 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | |
| Chromium, tot. as Cr by ICP-Trace | 5.4 | ug/L | 1 | 0.51 | 1.8 | 10/14/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 10/14/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 2.3 | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 8.3 | ug/L | 1 | 1.3 | 4.0 | 10/18/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/15/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 09/28/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 4.2 | mg/L | 1 | 0.033 | 0.10 | 10/14/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 0.49 | mg/L | 1 | 0.033 | 0.10 | 10/14/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | [1.3] | ug/L | 1 | 0.87 | 3.0 | 10/14/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/14/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 89 | mg/L | 1 | 0.15* | 0.30 | 10/14/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 85 | mg/L | 1 | 0.15* | 0.30 | 10/14/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 890 | ug/L | 1 | 1.0* | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 760 | ug/L | 1 | 1.0* | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 09/29/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 09/29/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 4.3 | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 11 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 10 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | [2.6] | ug/L | 1 | 1.6 | 5.5 | 10/07/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | [3.8] | ug/L | 2 | 3.2 | 11 | 10/07/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84585
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland/25688375

**NS-GW-MW-1-0904 NLS ID: 350921**
Ref. Line 1 COC 72157 NS-GW-MW-1-0904 Matrix: GW
Collected: 09/22/04 14:15 Received: 09/23/04
Notes: Hexavalent Chromium & Dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Sodium, dis. as Na | 31 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 31 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/05/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/05/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 7.4 | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 3.5 | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 17 | ug/L | 1 | 5.0* | 10 | 10/14/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [6.4] | ug/L | 1 | 5.0* | 10 | 10/14/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 09/24/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 09/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 09/24/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 09/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 09/28/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/24/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 09/28/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
*Analytical Laboratory and Environmental Services*
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
*WDATCP Laboratory Certification No. 105-330*
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel Ashland/25688375

NLS Project: 84585
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

**NS-GW-MW-2BR-0904 NLS ID: 350923**
Ref. Line 2 COC 72157 NS-GW-MW-2BR-0904 Matrix: GW
Collected: 09/22/04 14:30 Received: 09/23/04
Notes: Hexavalent Chromium & Dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.12 | mg/L | 1 | 0.0042 | 0.015 | 10/14/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.012] | mg/L | 1 | 0.0042 | 0.015 | 10/14/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/11/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/11/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/13/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/13/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 78 | ug/L | 1 | 2.5* | 5.0 | 10/14/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 77 | ug/L | 1 | 2.5* | 5.0 | 10/14/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/14/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/14/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/14/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/14/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 21 | mg/L | 1 | 0.15* | 0.30 | 10/14/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 21 | mg/L | 1 | 0.15* | 0.30 | 10/14/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 09/23/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 10/15/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [1.7] | ug/L | 1 | 0.51 | 1.8 | 10/14/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [1.2] | ug/L | 1 | 0.51 | 1.8 | 10/14/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/18/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/15/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 09/28/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 0.29 | mg/L | 1 | 0.033 | 0.10 | 10/14/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 0.22 | mg/L | 1 | 0.033 | 0.10 | 10/14/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/14/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/14/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 7.6 | mg/L | 1 | 0.15* | 0.30 | 10/14/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 7.9 | mg/L | 1 | 0.15* | 0.30 | 10/14/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 120 | ug/L | 1 | 1.0* | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 130 | ug/L | 1 | 1.0* | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 2 | 0.050* | 0.10 | 09/29/04 | 245.7M/ 1631M | 721026460 |
| | Dilution due to insufficient sample volume. | | | | | | | |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 09/29/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [0.77] | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 5.0 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 4.9 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/14/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/14/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 19 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 19 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84585
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland/25688375

**NS-GW-MW-2BR-0904 NLS ID: 350923**
Ref. Line 2 COC 72157 NS-GW-MW-2BR-0904 Matrix: GW
Collected: 09/22/04 14:30 Received: 09/23/04
Notes: Hexavalent Chromium & Dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/16/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/16/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | [1.0] | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [0.89] | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | [6.5] | ug/L | 1 | 5.0* | 10 | 10/14/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/14/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 09/24/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 09/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 09/24/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 09/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 09/28/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/24/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 09/28/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 84585
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland/25688375

**NS-GW-MW-2C-0904 NLS ID: 350924**
Ref. Line 3 COC 72157 NS-GW-MW-2C-0904 Matrix: GW
Collected: 09/22/04 14:35 Received: 09/23/04
Notes: Hexavalent Chromium & Dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.068 | mg/L | 1 | 0.0042 | 0.015 | 10/14/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 10/14/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/11/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/11/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/13/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/13/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 94 | ug/L | 1 | 2.5* | 5.0 | 10/14/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 94 | ug/L | 1 | 2.5* | 5.0 | 10/14/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/14/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/14/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/14/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/14/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 33 | mg/L | 1 | 0.15* | 0.30 | 10/14/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 33 | mg/L | 1 | 0.15* | 0.30 | 10/14/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 09/23/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 10/15/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [0.93] | ug/L | 1 | 0.51 | 1.8 | 10/14/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 10/14/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/18/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/15/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.0060] | mg/L | 1 | 0.0050 | 0.015 | 09/28/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | [0.054] | mg/L | 1 | 0.033 | 0.10 | 10/14/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 10/14/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/14/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/14/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 11 | mg/L | 1 | 0.15* | 0.30 | 10/14/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 12 | mg/L | 1 | 0.15* | 0.30 | 10/14/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 160 | ug/L | 1 | 1.0* | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 160 | ug/L | 1 | 1.0* | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 09/29/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 09/29/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 6.6 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 6.7 | mg/L | 1 | 0.53 | 1.9 | 09/30/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/14/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/14/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 30 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 30 | mg/L | 1 | 0.012 | 0.044 | 09/30/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/16/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 84585
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland/25688375

**NS-GW-MW-2C-0904 NLS ID: 350924**
Ref. Line 3 COC 72157 NS-GW-MW-2C-0904 Matrix: GW
Collected: 09/22/04 14:35 Received: 09/23/04
Notes: Hexavalent Chromium & Dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/16/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | [0.70] | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [0.96] | ug/L | 1 | 0.67 | 2.0 | 10/14/04 | SW846 6010 | 721026460 |
| Zinc tot. as Zn by ICP-Trace | [10] | ug/L | 1 | 5.0* | 10 | 10/14/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/14/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 09/24/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 09/24/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 09/24/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 09/24/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 09/28/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/24/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 09/28/04 | SW846 8270C | 721026460 |

**NS-WQ-Trip Blank 3-0904 NLS ID: 350925**
Ref. Line 4 COC 72157 NS-WQ-Trip Blank 3-0904 Matrix: TB
Collected: 09/22/04 00:00 Received: 09/23/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 09/28/04 | SW846 8260 | 721026460 |

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84655**

**Project Description: Xcel-Ashland 25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 11/04/2004 10:06**

**Sample: 351155** **NS-GW-MW-18A-0904** **Collected: 09/23/04** **Analyzed: 09/28/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 56000 | ug/L | 5000 | 580 | 1900 |
| sec-Butylbenzene | ND | ug/L | 5000 | 790 | 2600 |
| Ethylbenzene | 2400 | ug/L | 5000 | 710 | 2300 |
| ortho-Xylene | [1500] | ug/L | 5000 | 670 | 2200 |
| Styrene | [1900] | ug/L | 5000 | 700 | 2300 |
| Toluene | 23000 | ug/L | 5000 | 1000 | 3900 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 5000 | 720 | 2400 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 5000 | 610 | 2000 |
| meta,para-Xylene | [2800] | ug/L | 5000 | 1300 | 4400 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 5000 | 1000 | 3400 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 107% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 96% | | | | |

**Sample: 351156** **NS-GW-MW-18B-0904** **Collected: 09/23/04** **Analyzed: 09/28/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | [0.27] | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 98% | | | | |
| Toluene-d8 (SURR**) | 103% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 96% | | | | |

**Sample: 351157** **NS-GW-TW-13-0904** **Collected: 09/23/04** **Analyzed: 09/28/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 3200 | ug/L | 500 | 58 | 190 |
| sec-Butylbenzene | ND | ug/L | 500 | 79 | 260 |
| Ethylbenzene | 1800 | ug/L | 500 | 71 | 230 |
| ortho-Xylene | 610 | ug/L | 500 | 67 | 220 |
| Styrene | ND | ug/L | 500 | 70 | 230 |
| Toluene | 2300 | ug/L | 500 | 100 | 390 |
| 1,2,4-Trimethylbenzene | 370 | ug/L | 500 | 72 | 240 |
| 1,3,5-Trimethylbenzene | [110] | ug/L | 500 | 61 | 200 |
| meta,para-Xylene | 1300 | ug/L | 500 | 130 | 440 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 500 | 100 | 340 |
| Dibromofluoromethane (SURR**) | 95% | | | | |
| Toluene-d8 (SURR**) | 104% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 97% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84655**

**Project Description: Xcel-Ashland 25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 11/04/2004 10:06**

**Sample: 351158** **NS-GW-MW-13A-0904** **Collected: 09/23/04** **Analyzed: 09/28/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 47000 | ug/L | 4000 | 460 | 1500 |
| sec-Butylbenzene | ND | ug/L | 4000 | 630 | 2100 |
| Ethylbenzene | [900] | ug/L | 4000 | 560 | 1900 |
| ortho-Xylene | [1700] | ug/L | 4000 | 530 | 1800 |
| Styrene | 4400 | ug/L | 4000 | 560 | 1900 |
| Toluene | 25000 | ug/L | 4000 | 820 | 3100 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 4000 | 580 | 1900 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 4000 | 490 | 1600 |
| meta,para-Xylene | [3300] | ug/L | 4000 | 1000 | 3500 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 4000 | 820 | 2700 |
| Dibromofluoromethane (SURR**) | 97% | | | | |
| Toluene-d8 (SURR**) | 103% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

**Sample: 351159** **NS-GW-MW-08-0904** **Collected: 09/23/04** **Analyzed: 09/28/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | [0.23] | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 102% | | | | |
| Toluene-d8 (SURR**) | 104% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 98% | | | | |

**Sample: 351160** **NS-GW-MW-08A-0904** **Collected: 09/23/04** **Analyzed: 09/28/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 15000 | ug/L | 1000 | 120 | 380 |
| sec-Butylbenzene | ND | ug/L | 1000 | 160 | 520 |
| Ethylbenzene | 680 | ug/L | 1000 | 140 | 470 |
| ortho-Xylene | [310] | ug/L | 1000 | 130 | 440 |
| Styrene | ND | ug/L | 1000 | 140 | 470 |
| Toluene | [550] | ug/L | 1000 | 200 | 770 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1000 | 140 | 480 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1000 | 120 | 410 |
| meta,para-Xylene | [310] | ug/L | 1000 | 260 | 880 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1000 | 210 | 680 |
| Dibromofluoromethane (SURR**) | 95% | | | | |
| Toluene-d8 (SURR**) | 102% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 95% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84655**

**Project Description: Xcel-Ashland 25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 11/04/2004 10:06**

**Sample: 351161** **NS-WQ-Trip Blank4-0904** **Collected: 09/23/04** **Analyzed: 09/28/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | ND | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 102% | | | | |
| Toluene-d8 (SURR**) | 108% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

**Sample: 351162** **NS-WQ-Dup3-0904** **Collected: 09/23/04** **Analyzed: 09/28/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 3400 | ug/L | 500 | 58 | 190 |
| sec-Butylbenzene | ND | ug/L | 500 | 79 | 260 |
| Ethylbenzene | 1700 | ug/L | 500 | 71 | 230 |
| ortho-Xylene | 620 | ug/L | 500 | 67 | 220 |
| Styrene | ND | ug/L | 500 | 70 | 230 |
| Toluene | 2300 | ug/L | 500 | 100 | 390 |
| 1,2,4-Trimethylbenzene | 370 | ug/L | 500 | 72 | 240 |
| 1,3,5-Trimethylbenzene | [120] | ug/L | 500 | 61 | 200 |
| meta,para-Xylene | 1300 | ug/L | 500 | 130 | 440 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 500 | 100 | 340 |
| Dibromofluoromethane (SURR**) | 105% | | | | |
| Toluene-d8 (SURR**) | 107% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84655**

**Project Description: Xcel-Ashland 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 11/04/2004 10:06**

**Sample: 351155** **NS-GW-MW-18A-0904** **Collected: 09/23/04** **Analyzed: 09/30/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 300 | 1000 |
| Acenaphthylene | ND | ug/L | 200 | 340 | 1100 |
| Anthracene | ND | ug/L | 200 | 270 | 900 |
| Benzo[a]anthracene | ND | ug/L | 200 | 280 | 920 |
| Benzo[a]pyrene | ND | ug/L | 200 | 280 | 920 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 250 | 840 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 270 | 900 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 340 | 1100 |
| Chrysene | ND | ug/L | 200 | 280 | 930 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 260 | 880 |
| Dibenzofuran | ND | ug/L | 200 | 310 | 1000 |
| Fluoranthene | ND | ug/L | 200 | 290 | 950 |
| Fluorene | ND | ug/L | 200 | 340 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 310 | 1000 |
| 1-Methylnaphthalene | [560] | ug/L | 200 | 320 | 1100 |
| 2-Methylnaphthalene | [830] | ug/L | 200 | 310 | 1000 |
| 2-Methylphenol | 4300 | ug/L | 200 | 220 | 820 |
| 3 & 4-Methylphenol | 5600 | ug/L | 200 | 250 | 840 |
| Naphthalene | 6200 | ug/L | 200 | 330 | 1100 |
| Phenanthrene | ND | ug/L | 200 | 290 | 950 |
| Phenol | 940 | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 290 | 960 |
| Benzo[e]pyrene | ND | ug/L | 200 | 220 | 740 |
| 2-Fluorophenol (SURR**) | 51% | | | | |
| Phenol-d5 (SURR**) | 41% | | | | |
| Nitrobenzene-d5 (SURR**) | 110% | | | | |
| 2-Fluorobiphenyl (SURR**) | 127% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 64% | | | | |
| Terphenyl-d14 (SURR**) | 115% | | | | |

Surrogate recovery for 2-Fluorobiphenyl was outside QC limits due to sample matrix.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84655**
**Project Description: Xcel-Ashland 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 11/04/2004 10:06**

**Sample: 351156** **NS-GW-MW-18B-0904** **Collected: 09/23/04** **Analyzed: 09/30/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 43% | | | | |
| Phenol-d5 (SURR**) | 29% | | | | |
| Nitrobenzene-d5 (SURR**) | 89% | | | | |
| 2-Fluorobiphenyl (SURR**) | 87% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 92% | | | | |
| Terphenyl-d14 (SURR**) | 101% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84655**

**Project Description: Xcel-Ashland 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 11/04/2004 10:06**

**Sample: 351157** **NS-GW-TW-13-0904** **Collected: 09/23/04** **Analyzed: 09/30/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [400] | ug/L | 200 | 300 | 1000 |
| Acenaphthylene | ND | ug/L | 200 | 340 | 1100 |
| Anthracene | ND | ug/L | 200 | 270 | 900 |
| Benzo[a]anthracene | ND | ug/L | 200 | 280 | 920 |
| Benzo[a]pyrene | ND | ug/L | 200 | 280 | 920 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 250 | 840 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 270 | 900 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 340 | 1100 |
| Chrysene | ND | ug/L | 200 | 280 | 930 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 260 | 880 |
| Dibenzofuran | ND | ug/L | 200 | 310 | 1000 |
| Fluoranthene | ND | ug/L | 200 | 290 | 950 |
| Fluorene | ND | ug/L | 200 | 340 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 310 | 1000 |
| 1-Methylnaphthalene | 1100 | ug/L | 200 | 320 | 1100 |
| 2-Methylnaphthalene | 1700 | ug/L | 200 | 310 | 1000 |
| 2-Methylphenol | ND | ug/L | 200 | 220 | 820 |
| 3 & 4-Methylphenol | ND | ug/L | 200 | 250 | 840 |
| Naphthalene | 8100 | ug/L | 200 | 330 | 1100 |
| Phenanthrene | [370] | ug/L | 200 | 290 | 950 |
| Phenol | ND | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 290 | 960 |
| Benzo[e]pyrene | ND | ug/L | 200 | 220 | 740 |
| 2-Fluorophenol (SURR**) | 30% | | | | |
| Phenol-d5 (SURR**) | 27% | | | | |
| Nitrobenzene-d5 (SURR**) | 100% | | | | |
| 2-Fluorobiphenyl (SURR**) | 119% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 44% | | | | |
| Terphenyl-d14 (SURR**) | 113% | | | | |

*Laboratory control, laboratory control duplicate, matrix spike, and matrix spike duplicate recoveries for Acenaphthene were outside QC limits.*

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84655**

**Project Description: Xcel-Ashland 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 11/04/2004 10:06**

**Sample: 351158** **NS-GW-MW-13A-0904** **Collected: 09/23/04** **Analyzed: 09/30/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 300 | 1000 |
| Acenaphthylene | [430] | ug/L | 200 | 340 | 1100 |
| Anthracene | ND | ug/L | 200 | 270 | 900 |
| Benzo[a]anthracene | ND | ug/L | 200 | 280 | 920 |
| Benzo[a]pyrene | ND | ug/L | 200 | 280 | 920 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 250 | 840 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 270 | 900 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 340 | 1100 |
| Chrysene | ND | ug/L | 200 | 280 | 930 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 260 | 880 |
| Dibenzofuran | ND | ug/L | 200 | 310 | 1000 |
| Fluoranthene | ND | ug/L | 200 | 290 | 950 |
| Fluorene | ND | ug/L | 200 | 340 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 310 | 1000 |
| 1-Methylnaphthalene | [1000] | ug/L | 200 | 320 | 1100 |
| 2-Methylnaphthalene | 1500 | ug/L | 200 | 310 | 1000 |
| 2-Methylphenol | 1000 | ug/L | 200 | 220 | 820 |
| 3 & 4-Methylphenol | 1400 | ug/L | 200 | 250 | 840 |
| Naphthalene | 7800 | ug/L | 200 | 330 | 1100 |
| Phenanthrene | ND | ug/L | 200 | 290 | 950 |
| Phenol | [210] | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 290 | 960 |
| Benzo[e]pyrene | ND | ug/L | 200 | 220 | 740 |
| 2-Fluorophenol (SURR**) | 17% | | | | |
| Phenol-d5 (SURR**) | 33% | | | | |
| Nitrobenzene-d5 (SURR**) | 97% | | | | |
| 2-Fluorobiphenyl (SURR**) | 118% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 67% | | | | |
| Terphenyl-d14 (SURR**) | 112% | | | | |

Matrix spike recovery for Acenaphthylene was outside QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84655**

**Project Description: Xcel-Ashland 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 11/04/2004 10:06**

**Sample: 351159** **NS-GW-MW-0[illegible]-0904** **Collected: 09/23/04** **Analyzed: 09/30/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 43% | | | | |
| Phenol-d5 (SURR**) | 29% | | | | |
| Nitrobenzene-d5 (SURR**) | 87% | | | | |
| 2-Fluorobiphenyl (SURR**) | 86% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 94% | | | | |
| Terphenyl-d14 (SURR**) | 86% | | | | |

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84655**
**Project Description: Xcel-Ashland 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 11/04/2004 10:06**

**Sample: 351160** **NS-GW-MW-08A-0904** **Collected: 09/23/04** **Analyzed: 09/30/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 10 | 15 | 50 |
| Acenaphthylene | ND | ug/L | 10 | 17 | 56 |
| Anthracene | ND | ug/L | 10 | 14 | 45 |
| Benzo[a]anthracene | ND | ug/L | 10 | 14 | 46 |
| Benzo[a]pyrene | ND | ug/L | 10 | 14 | 46 |
| Benzo[b]fluoranthene | ND | ug/L | 10 | 13 | 42 |
| Benzo[g,h,i]perylene | ND | ug/L | 10 | 13 | 45 |
| Benzo[k]fluoranthene | ND | ug/L | 10 | 17 | 56 |
| Chrysene | ND | ug/L | 10 | 14 | 46 |
| Dibenzo[a,h]anthracene | ND | ug/L | 10 | 13 | 44 |
| Dibenzofuran | ND | ug/L | 10 | 16 | 52 |
| Fluoranthene | ND | ug/L | 10 | 14 | 48 |
| Fluorene | ND | ug/L | 10 | 17 | 57 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 10 | 15 | 51 |
| 1-Methylnaphthalene | ND | ug/L | 10 | 16 | 53 |
| 2-Methylnaphthalene | ND | ug/L | 10 | 15 | 51 |
| 2-Methylphenol | 400 | ug/L | 10 | 11 | 41 |
| 3 & 4-Methylphenol | 230 | ug/L | 10 | 13 | 42 |
| Naphthalene | 100 | ug/L | 10 | 17 | 55 |
| Phenanthrene | ND | ug/L | 10 | 14 | 48 |
| Phenol | 42 | ug/L | 10 | 5.1 | 17 |
| Pyrene | ND | ug/L | 10 | 14 | 48 |
| Benzo[e]pyrene | ND | ug/L | 10 | 11 | 37 |
| 2-Fluorophenol (SURR**) | 50% | | | | |
| Phenol-d5 (SURR**) | 32% | | | | |
| Nitrobenzene-d5 (SURR**) | 97% | | | | |
| 2-Fluorobiphenyl (SURR**) | 91% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 84% | | | | |
| Terphenyl-d14 (SURR**) | 109% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84655**
**Project Description: Xcel-Ashland 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 11/04/2004 10:06**

**Sample: 351162** **NS-WQ-Dup3-0904** **Collected: 09/23/04** **Analyzed: 09/30/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [470] | ug/L | 200 | 300 | 1000 |
| Acenaphthylene | ND | ug/L | 200 | 340 | 1100 |
| Anthracene | ND | ug/L | 200 | 270 | 900 |
| Benzo[a]anthracene | ND | ug/L | 200 | 280 | 920 |
| Benzo[a]pyrene | ND | ug/L | 200 | 280 | 920 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 250 | 840 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 270 | 900 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 340 | 1100 |
| Chrysene | ND | ug/L | 200 | 280 | 930 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 260 | 880 |
| Dibenzofuran | ND | ug/L | 200 | 310 | 1000 |
| Fluoranthene | ND | ug/L | 200 | 290 | 950 |
| Fluorene | ND | ug/L | 200 | 340 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 310 | 1000 |
| 1-Methylnaphthalene | 1200 | ug/L | 200 | 320 | 1100 |
| 2-Methylnaphthalene | 1900 | ug/L | 200 | 310 | 1000 |
| 2-Methylphenol | ND | ug/L | 200 | 220 | 820 |
| 3 & 4-Methylphenol | ND | ug/L | 200 | 250 | 840 |
| Naphthalene | 8700 | ug/L | 200 | 330 | 1100 |
| Phenanthrene | [480] | ug/L | 200 | 290 | 950 |
| Phenol | ND | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 290 | 960 |
| Benzo[e]pyrene | ND | ug/L | 200 | 220 | 740 |
| 2-Fluorophenol (SURR**) | 31% | | | | |
| Phenol-d5 (SURR**) | 28% | | | | |
| Nitrobenzene-d5 (SURR**) | 96% | | | | |
| 2-Fluorobiphenyl (SURR**) | 115% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 51% | | | | |
| Terphenyl-d14 (SURR**) | 116% | | | | |

Laboratory control, laboratory control duplicate, matrix spike, and matrix spike duplicate recoveries for Acenaphthene were outside QC limits.

** Surrogates are used to evaluate a method's Quality Control.

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Ben Nelson**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 84655**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel-Ashland 25688375**

**NS-GW-MW-18A-0904 NLS ID: 351155**
Ref. Line 1 COC 72173 NS-GW-MW-18A-0904 Matrix: GW
Collected: 09/23/04 14:20 Received: 09/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.24 | mg/L | 1 | 0.0042 | 0.015 | 10/15/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 10/15/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/18/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/18/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [3.0] | ug/L | 1 | 2.6 | 9.0 | 10/14/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [2.7] | ug/L | 1 | 2.6 | 9.0 | 10/14/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 190 | ug/L | 1 | 2.5* | 5.0 | 10/15/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 190 | ug/L | 1 | 2.5* | 5.0 | 10/15/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/15/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/15/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/15/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/15/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 59 | mg/L | 1 | 0.15* | 0.30 | 10/15/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 59 | mg/L | 1 | 0.15* | 0.30 | 10/15/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 09/24/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 10/18/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [0.64] | ug/L | 1 | 0.51 | 1.8 | 10/15/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 10/15/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | [2.8] | ug/L | 1 | 1.3 | 4.0 | 10/18/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/15/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | 0.016 | mg/L | 1 | 0.0050 | 0.015 | 09/28/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 0.31 | mg/L | 1 | 0.033 | 0.10 | 10/15/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 10/15/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/15/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/15/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 28 | mg/L | 1 | 0.15* | 0.30 | 10/15/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 29 | mg/L | 1 | 0.15* | 0.30 | 10/15/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 270 | ug/L | 1 | 1.0* | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 270 | ug/L | 1 | 1.0* | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 09/28/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 09/28/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | [1.3] | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.3] | ug/L | 1 | 0.67 | 2.0 | 10/18/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 6.1 | mg/L | 1 | 0.53 | 1.9 | 10/17/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 6.3 | mg/L | 1 | 0.53 | 1.9 | 10/17/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/14/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/14/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 29 | mg/L | 1 | 0.012 | 0.044 | 10/17/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 29 | mg/L | 1 | 0.012 | 0.044 | 10/17/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/17/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/17/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84655
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel-Ashland 25688375

**NS-GW-MW-18A-0904 NLS ID: 351155**
Ref. Line 1 COC 72173 NS-GW-MW-18A-0904 Matrix: GW
Collected: 09/23/04 14:20 Received: 09/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, tot. as V by ICP-Trace | [1.0] | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [0.74] | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Zinc tot. as Zn by ICP-Trace | [8.0] | ug/L | 1 | 5.0* | 10 | 10/15/04 | SW846 6010 | 721026460 |
| Zinc dis. as Zn by ICP-Trace | [5.4] | ug/L | 1 | 5.0* | 10 | 10/15/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 09/25/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 09/25/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 09/25/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 09/25/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 09/28/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/27/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 09/30/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 84655
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel-Ashland 25688375

**NS-GW-MW-18B-0904 NLS ID: 351156**
Ref. Line 2 COC 72173 NS-GW-MW-18B-0904 Matrix: GW
Collected: 09/23/04 14:30 Received: 09/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.30 | mg/L | 1 | 0.0042 | 0.015 | 10/15/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 10/15/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/18/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/18/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/14/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/14/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 87 | ug/L | 1 | 2.5* | 5.0 | 10/15/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 85 | ug/L | 1 | 2.5* | 5.0 | 10/15/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/15/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/15/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/15/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/15/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 19 | mg/L | 1 | 0.15* | 0.30 | 10/15/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 19 | mg/L | 1 | 0.15* | 0.30 | 10/15/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 09/24/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 10/18/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [1.2] | ug/L | 1 | 0.51 | 1.8 | 10/15/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 10/15/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 2 | 1.3 | 4.0 | 10/18/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | [2.4] | ug/L | 1 | 1.3 | 4.0 | 10/18/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/15/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.0050] | mg/L | 1 | 0.0050 | 0.015 | 09/28/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 0.40 | mg/L | 1 | 0.033 | 0.10 | 10/15/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 10/15/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/15/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/15/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 6.9 | mg/L | 1 | 0.15* | 0.30 | 10/15/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 6.9 | mg/L | 1 | 0.15* | 0.30 | 10/15/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 41 | ug/L | 1 | 1.0* | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 32 | ug/L | 1 | 1.0* | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 2 | 0.050* | 0.10 | 09/28/04 | 245.7M/ 1631M | 721026460 |
| | Dilution due to insufficient sample volume. | | | | | | | |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 09/28/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.1 | mg/L | 1 | 0.53 | 1.9 | 10/17/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 3.9 | mg/L | 1 | 0.53 | 1.9 | 10/17/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/14/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/14/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 15 | mg/L | 1 | 0.012 | 0.044 | 10/17/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 15 | mg/L | 1 | 0.012 | 0.044 | 10/17/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/17/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84655
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel-Ashland 25688375

**NS-GW-MW-18B-0904 NLS ID: 351156**
Ref. Line 2 COC 72173 NS-GW-MW-18B-0904 Matrix: GW
Collected: 09/23/04 14:30 Received: 09/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/17/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | [0.83] | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | [8.3] | ug/L | 1 | 5.0* | 10 | 10/15/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/15/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 09/25/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 09/25/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 09/25/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 09/25/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 09/28/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/27/04 | SW846 3510 | 721026460 |
| Sem volatile GC/MS by 8270C | see attached | | | | | 09/30/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84655
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel-Ashland 25688375

**NS-GW-TW-13-0904 NLS ID: 351157**
Ref. Line 3 COC 72173 NS-GW-TW-13-0904 Matrix: GW
Collected: 09/23/04 14:50 Received: 09/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.58 | mg/L | 1 | 0.0042 | 0.015 | 10/15/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0070] | mg/L | 1 | 0.0042 | 0.015 | 10/15/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/18/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/18/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/14/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [3.0] | ug/L | 1 | 2.6 | 9.0 | 10/14/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 240 | ug/L | 1 | 2.5* | 5.0 | 10/15/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 240 | ug/L | 1 | 2.5* | 5.0 | 10/15/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/15/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/15/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | [0.33] | ug/L | 1 | 0.17 | 0.50 | 10/15/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/15/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 150 | mg/L | 1 | 0.15* | 0.30 | 10/15/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 160 | mg/L | 1 | 0.15* | 0.30 | 10/15/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 09/24/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 10/18/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [1.2] | ug/L | 1 | 0.51 | 1.8 | 10/15/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.57] | ug/L | 1 | 0.51 | 1.8 | 10/15/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 11 | ug/L | 1 | 1.3 | 4.0 | 10/18/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/15/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | 0.044 | mg/L | 1 | 0.0050 | 0.015 | 09/28/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 3.2 | mg/L | 1 | 0.033 | 0.10 | 10/15/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 0.27 | mg/L | 1 | 0.033 | 0.10 | 10/15/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 4.6 | ug/L | 1 | 0.87 | 3.0 | 10/15/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/15/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 49 | mg/L | 1 | 0.15* | 0.30 | 10/15/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 52 | mg/L | 1 | 0.15* | 0.30 | 10/15/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 380 | ug/L | 1 | 1.0* | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 330 | ug/L | 1 | 1.0* | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 09/28/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 09/28/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 2.9 | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 3.7 | ug/L | 1 | 0.67 | 2.0 | 10/18/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 16 | mg/L | 1 | 0.53 | 1.9 | 10/17/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 15 | mg/L | 1 | 0.53 | 1.9 | 10/17/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/14/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 2 | 3.2 | 11 | 10/14/04 | SW846 7740 | 721026460 |
| | Sample required a dilution to overcome negative interference encountered during analysis. | | | | | | | |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 320 | mg/L | 1 | 0.012 | 0.044 | 10/17/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 300 | mg/L | 1 | 0.012 | 0.044 | 10/17/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/17/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: *URS Corporation (Milwaukee)*
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84655
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel-Ashland 25688375

**NS-GW-TW-13-0904 NLS ID: 351157**
Ref. Line 3 COC 72173 NS-GW-TW-13-0904 Matrix: GW
Collected: 09/23/04 14:50 Received: 09/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/17/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 2.9 | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [1.4] | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 140 | ug/L | 1 | 5.0* | 10 | 10/15/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/15/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 09/25/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 09/25/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 09/25/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 09/25/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 09/28/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/27/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 09/30/04 | SW846 8270C | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
***400 North Lake Avenue - Crandon, WI 54520***
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Ben Nelson**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 84655**
**NLS Customer: 91206**
**Fax: 414 831 4101 Phone: 414 831 4100**

**Project:** **Xcel-Ashland 25688375**

**NS-GW-MW-13A-0904 NLS ID: 351158**
Ref. Line 4 COC 72173 NS-GW-MW-13A-0904 Matrix: GW
Collected: 09/23/04 15:00 Received: 09/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.033 | mg/L | 1 | 0.0042 | 0.015 | 10/15/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 10/15/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/18/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/18/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [3.1] | ug/L | 1 | 2.6 | 9.0 | 10/14/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [3.1] | ug/L | 1 | 2.6 | 9.0 | 10/14/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 120 | ug/L | 1 | 2.5* | 5.0 | 10/15/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 120 | ug/L | 1 | 2.5* | 5.0 | 10/15/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/15/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/15/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/15/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/15/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 95 | mg/L | 1 | 0.15* | 0.30 | 10/15/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 97 | mg/L | 1 | 0.15* | 0.30 | 10/15/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 4.0 | ug/L | 1 | 3.6* | | 09/24/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | ug/L | | 3.6* | | 10/18/04 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | |
| Chromium, tot. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 10/15/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 10/15/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/18/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/15/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.0050] | mg/L | 1 | 0.0050 | 0.015 | 09/28/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 1.3 | mg/L | 1 | 0.033 | 0.10 | 10/15/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 1.2 | mg/L | 1 | 0.033 | 0.10 | 10/15/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/15/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/15/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 56 | mg/L | 1 | 0.15* | 0.30 | 10/15/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 57 | mg/L | 1 | 0.15* | 0.30 | 10/15/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 270 | ug/L | 1 | 1.0* | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 270 | ug/L | 1 | 1.0* | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 09/28/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 09/28/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | [0.74] | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.5] | ug/L | 1 | 0.67 | 2.0 | 10/18/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 7.6 | mg/L | 1 | 0.53 | 1.9 | 10/17/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 7.6 | mg/L | 1 | 0.53 | 1.9 | 10/17/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 2 | 3.2 | 11 | 10/14/04 | SW846 7740 | 721026460 |
| | Sample required a dilution to overcome negative interference encountered during analysis. | | | | | | | |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/14/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 32 | mg/L | 1 | 0.012 | 0.044 | 10/17/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 32 | mg/L | 1 | 0.012 | 0.044 | 10/17/04 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84655
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel-Ashland 25688375

**NS-GW-MW-13A-0904 NLS ID: 351158**
Ref. Line 4 COC 72173 NS-GW-MW-13A-0904 Matrix: GW
Collected: 09/23/04 15:00 Received: 09/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/17/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/17/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/15/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/15/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 09/25/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 09/25/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 09/25/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 09/25/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 09/28/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/27/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 09/30/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 84655
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel-Ashland 25688375

**NS-GW-MW-08-0904 NLS ID: 351159**
Ref. Line 5 COC 72173 NS-GW-MW-08-0904 Matrix: GW
Collected: 09/23/04 15:15 Received: 09/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 72 | mg/L | 1 | 0.0042 | 0.015 | 10/15/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0070] | mg/L | 1 | 0.0042 | 0.015 | 10/15/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/18/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/18/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/14/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | 10 | ug/L | 1 | 2.6 | 9.0 | 10/14/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 630 | ug/L | 1 | 2.5* | 5.0 | 10/15/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 180 | ug/L | 1 | 2.5* | 5.0 | 10/15/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 10 | 1.7 | 5.0 | 10/19/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/15/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | 2.0 | ug/L | 1 | 0.17 | 0.50 | 10/15/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/15/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 180 | mg/L | 1 | 0.15* | 0.30 | 10/15/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 100 | mg/L | 1 | 0.15* | 0.30 | 10/15/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 09/24/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 120 | ug/L | 1 | 3.6* | | 10/18/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 120 | ug/L | 1 | 0.51 | 1.8 | 10/15/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.58] | ug/L | 1 | 0.51 | 1.8 | 10/15/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 43 | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 120 | ug/L | 1 | 1.3 | 4.0 | 10/15/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/15/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 09/28/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 63 | mg/L | 1 | 0.033 | 0.10 | 10/15/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 10/15/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 19 | ug/L | 1 | 0.87 | 3.0 | 10/15/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [0.94] | ug/L | 1 | 0.87 | 3.0 | 10/15/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 100 | mg/L | 1 | 0.15* | 0.30 | 10/15/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 59 | mg/L | 1 | 0.15* | 0.30 | 10/15/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 1600 | ug/L | 1 | 1.0* | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 56 | ug/L | 1 | 1.0* | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 09/28/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 09/28/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 94 | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 3.1 | ug/L | 1 | 0.67 | 2.0 | 10/18/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 5.3 | mg/L | 1 | 0.53 | 1.9 | 10/17/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 20 | mg/L | 1 | 0.53 | 1.9 | 10/17/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/14/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/14/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 250 | mg/L | 1 | 0.012 | 0.044 | 10/17/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 260 | mg/L | 1 | 0.012 | 0.044 | 10/17/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/17/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/17/04 | SW846 7841 | 721026460 |

NORTHERN [illegible]E SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel-Ashland 25688375

NLS Project: 84655
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**NS-GW-MW-08-0904 NLS ID: 351159**
Ref. Line 5 COC 72173 NS-GW-MW-08-0904 Matrix: GW
Collected: 09/23/04 15:15 Received: 09/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, tot. as V by ICP-Trace | 150 | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [2.0] | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 220 | ug/L | 1 | 5.0* | 10 | 10/15/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [7.7] | ug/L | 1 | 5.0* | 10 | 10/15/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 09/25/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 09/25/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 09/25/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 09/25/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 09/28/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/27/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 09/30/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84655
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel-Ashland 25688375

**NS-GW-MW-08A-0904 NLS ID: 351160**
Ref. Line 6 COC 72173 NS-GW-MW-08A-0904 Matrix: GW
Collected: 09/23/04 15:30 Received: 09/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 1.1 | mg/L | 1 | 0.0042 | 0.015 | 10/15/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 10/15/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/18/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/18/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/14/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/14/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 300 | ug/L | 1 | 2.5* | 5.0 | 10/15/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 300 | ug/L | 1 | 2.5* | 5.0 | 10/15/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/15/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/15/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/15/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/15/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 64 | mg/L | 1 | 0.15* | 0.30 | 10/15/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 65 | mg/L | 1 | 0.15* | 0.30 | 10/15/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 09/24/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 10/18/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 2.0 | ug/L | 1 | 0.51 | 1.8 | 10/15/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 10/15/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 14 | ug/L | 1 | 1.3 | 4.0 | 10/18/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/15/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.0070] | mg/L | 1 | 0.0050 | 0.015 | 09/28/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 3.1 | mg/L | 1 | 0.033 | 0.10 | 10/15/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 1.9 | mg/L | 1 | 0.033 | 0.10 | 10/15/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 4.0 | ug/L | 1 | 0.87 | 3.0 | 10/15/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/15/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 19 | mg/L | 1 | 0.15* | 0.30 | 10/15/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 20 | mg/L | 1 | 0.15* | 0.30 | 10/15/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 900 | ug/L | 1 | 1.0* | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 900 | ug/L | 1 | 1.0* | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 09/28/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 09/28/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 2.7 | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 16 | mg/L | 1 | 0.53 | 1.9 | 10/17/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 16 | mg/L | 1 | 0.53 | 1.9 | 10/17/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/14/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/14/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 380 | mg/L | 1 | 0.012 | 0.044 | 10/17/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 370 | mg/L | 1 | 0.012 | 0.044 | 10/17/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/17/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/17/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
*Attn: Ben Nelson*
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84655
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel-Ashland 25688375

**NS-GW-MW-08A-0904 NLS ID: 351160**
Ref. Line 6 COC 72173 NS-GW-MW-08A-0904 Matrix: GW
Collected: 09/23/04 15:30 Received: 09/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, tot. as V by ICP-Trace | 3.0 | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 46 | ug/L | 1 | 5.0* | 10 | 10/15/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [5.7] | ug/L | 1 | 5.0* | 10 | 10/15/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 09/25/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 09/25/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 09/25/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 09/25/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 09/28/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/27/04 | SW846 3510 | 721026460 |
| Sem volatile GC/MS by 8270C | see attached | | | | | 09/30/04 | SW846 8270C | 721026460 |

**NS-WQ-Trip Blank4-0904 NLS ID: 351161**
Ref. Line 7 COC 72173 NS-WQ-Trip Blank4-0904 Matrix: TB
Collected: 09/23/04 00:00 Received: 09/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 09/28/04 | SW846 8260 | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
***400 North Lake Avenue - Crandon, WI 54520***
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Ben Nelson**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 84655**
**NLS Customer: 91206**

**Fax: 414 831 4101 Phone: 414 831 4100**

**Project:** **Xcel-Ashland 25688375**

**NS-WQ-Dup3-0904 NLS ID: 351162**
Ref. Line 8 COC 72173 NS-WQ-Dup3-0904 Matrix: GW
Collected: 09/23/04 00:00 Received: 09/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.96 | mg/L | 1 | 0.0042 | 0.015 | 10/15/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 10/15/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/18/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/18/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/14/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [3.6] | ug/L | 1 | 2.6 | 9.0 | 10/14/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 260 | ug/L | 1 | 2.5* | 5.0 | 10/15/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 250 | ug/L | 1 | 2.5* | 5.0 | 10/15/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/15/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/15/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | 0.60 | ug/L | 1 | 0.17 | 0.50 | 10/15/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/15/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 160 | mg/L | 1 | 0.15* | 0.30 | 10/15/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 160 | mg/L | 1 | 0.15* | 0.30 | 10/15/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 09/24/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 10/18/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 2.7 | ug/L | 1 | 0.51 | 1.8 | 10/15/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 10/15/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 21 | ug/L | 1 | 1.3 | 4.0 | 10/15/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/15/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | 0.026 | mg/L | 1 | 0.0050 | 0.015 | 09/28/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 4.6 | mg/L | 1 | 0.033 | 0.10 | 10/15/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 0.33 | mg/L | 1 | 0.033 | 0.10 | 10/15/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 9.9 | ug/L | 1 | 0.87 | 3.0 | 10/15/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/15/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 53 | mg/L | 1 | 0.15* | 0.30 | 10/15/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 53 | mg/L | 1 | 0.15* | 0.30 | 10/15/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 350 | ug/L | 1 | 1.0* | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 330 | ug/L | 1 | 1.0* | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 09/28/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | 0.052 | ug/L | 1 | 0.025 | 0.050 | 09/28/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 4.9 | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 3.3 | ug/L | 1 | 0.67 | 2.0 | 10/18/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 16 | mg/L | 1 | 0.53 | 1.9 | 10/17/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 15 | mg/L | 1 | 0.53 | 1.9 | 10/17/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/14/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/14/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 310 | mg/L | 1 | 0.012 | 0.044 | 10/17/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 320 | mg/L | 1 | 0.012 | 0.044 | 10/17/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/17/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/17/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84655
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel-Ashland 25688375

**NS-WQ-Dup3-0904 NLS ID: 351162**
Ref. Line 8 COC 72173 NS-WQ-Dup3-0904 Matrix: GW
Collected: 09/23/04 00:00 Received: 09/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, tot. as V by ICP-Trace | 4.6 | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [1.3] | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 220 | ug/L | 1 | 5.0* | 10 | 10/15/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/15/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 09/25/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 09/25/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 09/25/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 09/25/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 09/28/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/27/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 09/30/04 | SW846 8270C | 721026460 |

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation" LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84659**

**Project Description: Xcel Ashland 25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 11/04/2004 10:07**

**Sample: 351187** **NS-GW-TW-12-0904** **Collected: 09/24/04** **Analyzed: 09/29/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 250 | ug/L | 10 | 1.2 | 3.8 |
| sec-Butylbenzene | ND | ug/L | 10 | 1.6 | 5.2 |
| Ethylbenzene | 35 | ug/L | 10 | 1.4 | 4.7 |
| ortho-Xylene | 15 | ug/L | 10 | 1.3 | 4.4 |
| Styrene | ND | ug/L | 10 | 1.4 | 4.7 |
| Toluene | ND | ug/L | 10 | 2.0 | 7.7 |
| 1,2,4-Trimethylbenzene | 27 | ug/L | 10 | 1.4 | 4.8 |
| 1,3,5-Trimethylbenzene | 4.2 | ug/L | 10 | 1.2 | 4.1 |
| meta,para-Xylene | 10 | ug/L | 10 | 2.6 | 8.8 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 10 | 2.1 | 6.8 |
| Dibromofluoromethane (SURR**) | 122% | | | | |
| Toluene-d8 (SURR**) | 119% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 108% | | | | |

Benzene result reported beyond calibration range.

**Sample: 351188** **NS-GW-MW-01(NET)-0904** **Collected: 09/24/04** **Analyzed: 09/29/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 2200 | ug/L | 200 | 23 | 77 |
| sec-Butylbenzene | ND | ug/L | 200 | 31 | 100 |
| Ethylbenzene | 460 | ug/L | 200 | 28 | 94 |
| ortho-Xylene | 180 | ug/L | 200 | 27 | 89 |
| Styrene | ND | ug/L | 200 | 28 | 94 |
| Toluene | [65] | ug/L | 200 | 41 | 150 |
| 1,2,4-Trimethylbenzene | 110 | ug/L | 200 | 29 | 96 |
| 1,3,5-Trimethylbenzene | [30] | ug/L | 200 | 24 | 81 |
| meta,para-Xylene | 180 | ug/L | 200 | 52 | 180 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 200 | 41 | 140 |
| Dibromofluoromethane (SURR**) | 96% | | | | |
| Toluene-d8 (SURR**) | 104% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 98% | | | | |

**Sample: 351189** **NS-GW-MW-17-0904** **Collected: 09/24/04** **Analyzed: 09/29/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | ND | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 109% | | | | |
| Toluene-d8 (SURR**) | 116% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 109% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84659**

**Project Description: Xcel Ashland 25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 11/04/2004 10:07**

**Sample: 351190** **NS-WQ-MW-17-MS/MSD-0904** **Collected: 09/24/04** **Analyzed: 09/29/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | [0.25] | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 113% | | | | |
| Toluene-d8 (SURR**) | 121% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 110% | | | | |

**Sample: 351191** **NS-GW-MW-17A-0904** **Collected: 09/24/04** **Analyzed: 09/29/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | ND | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 81% | | | | |
| Toluene-d8 (SURR**) | 90% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 80% | | | | |

**Sample: 351192** **NS-GW-MW03 (NET)-0904** **Collected: 09/24/04** **Analyzed: 09/29/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 4.4 | ug/L | 10 | 1.2 | 3.8 |
| sec-Butylbenzene | ND | ug/L | 10 | 1.6 | 5.2 |
| Ethylbenzene | ND | ug/L | 10 | 1.4 | 4.7 |
| ortho-Xylene | ND | ug/L | 10 | 1.3 | 4.4 |
| Styrene | ND | ug/L | 10 | 1.4 | 4.7 |
| Toluene | ND | ug/L | 10 | 2.0 | 7.7 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 10 | 1.4 | 4.8 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 10 | 1.2 | 4.1 |
| meta,para-Xylene | ND | ug/L | 10 | 2.6 | 8.8 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 10 | 2.1 | 6.8 |
| Dibromofluoromethane (SURR**) | 108% | | | | |
| Toluene-d8 (SURR**) | 115% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 107% | | | | |

Sample was diluted due to non-target compounds.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84659**

**Project Description: Xcel Ashland 25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 11/04/2004 10:07**

**Sample: 351193** **NS-WQ-Dup4-0904** **Collected: 09/24/04** **Analyzed: 09/29/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 190 | ug/L | 10 | 1.2 | 3.8 |
| sec-Butylbenzene | ND | ug/L | 10 | 1.6 | 5.2 |
| Ethylbenzene | 34 | ug/L | 10 | 1.4 | 4.7 |
| ortho-Xylene | 14 | ug/L | 10 | 1.3 | 4.4 |
| Styrene | ND | ug/L | 10 | 1.4 | 4.7 |
| Toluene | ND | ug/L | 10 | 2.0 | 7.7 |
| 1,2,4-Trimethylbenzene | 24 | ug/L | 10 | 1.4 | 4.8 |
| 1,3,5-Trimethylbenzene | [3.8] | ug/L | 10 | 1.2 | 4.1 |
| meta,para-Xylene | 9.4 | ug/L | 10 | 2.6 | 8.8 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 10 | 2.1 | 6.8 |
| Dibromofluoromethane (SURR**) | 86% | | | | |
| Toluene-d8 (SURR**) | 86% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 89% | | | | |

**Sample: 351194** **NS-WQ-Trip Blank5-0904** **Collected: 09/24/04** **Analyzed: 09/29/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | [0.37] | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 106% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 98% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84659**

**Project Description: Xcel Ashland 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 11/04/2004 10:07**

**Sample: 351187** **NS-GW-TW-12-0904** **Collected: 09/24/04** **Analyzed: 09/30/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 32 | ug/L | 2 | 3.0 | 10 |
| Acenaphthylene | ND | ug/L | 2 | 3.4 | 11 |
| Anthracene | ND | ug/L | 2 | 2.7 | 9.0 |
| Benzo[a]anthracene | ND | ug/L | 2 | 2.8 | 9.2 |
| Benzo[a]pyrene | ND | ug/L | 2 | 2.8 | 9.2 |
| Benzo[b]fluoranthene | ND | ug/L | 2 | 2.5 | 8.4 |
| Benzo[g,h,i]perylene | ND | ug/L | 2 | 2.7 | 9.0 |
| Benzo[k]fluoranthene | ND | ug/L | 2 | 3.4 | 11 |
| Chrysene | ND | ug/L | 2 | 2.8 | 9.3 |
| Dibenzo[a,h]anthracene | ND | ug/L | 2 | 2.6 | 8.8 |
| Dibenzofuran | ND | ug/L | 2 | 3.1 | 10 |
| Fluoranthene | ND | ug/L | 2 | 2.9 | 9.5 |
| Fluorene | [5.8] | ug/L | 2 | 3.4 | 11 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 2 | 3.1 | 10 |
| 1-Methylnaphthalene | 65 | ug/L | 2 | 3.2 | 11 |
| 2-Methylnaphthalene | ND | ug/L | 2 | 3.1 | 10 |
| 2-Methylphenol | ND | ug/L | 2 | 2.2 | 8.2 |
| 3 & 4-Methylphenol | ND | ug/L | 2 | 2.5 | 8.4 |
| Naphthalene | 91 | ug/L | 2 | 3.3 | 11 |
| Phenanthrene | [3.0] | ug/L | 2 | 2.9 | 9.5 |
| Phenol | [2.0] | ug/L | 2 | 1.0 | 3.4 |
| Pyrene | ND | ug/L | 2 | 2.9 | 9.6 |
| Benzo[e]pyrene | ND | ug/L | 2 | 2.2 | 7.4 |
| 2-Fluorophenol (SURR**) | 41% | | | | |
| Phenol-d5 (SURR**) | 30% | | | | |
| Nitrobenzene-d5 (SURR**) | 92% | | | | |
| 2-Fluorobiphenyl (SURR**) | 95% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 92% | | | | |
| Terphenyl-d14 (SURR**) | 106% | | | | |

Laboratory control, laboratory control duplicate, matrix spike, and matrix spike duplicate recoveries for Acenaphthene and Fluorene were outside QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84659**

**Project Description: Xcel Ashland 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 11/04/2004 10:07**

**Sample: 351188** **NS-GW-MW-01(NET)-0904** **Collected: 09/24/04** **Analyzed: 09/30/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [230] | ug/L | 50 | 75 | 250 |
| Acenaphthylene | ND | ug/L | 50 | 84 | 280 |
| Anthracene | ND | ug/L | 50 | 68 | 230 |
| Benzo[a]anthracene | ND | ug/L | 50 | 69 | 230 |
| Benzo[a]pyrene | ND | ug/L | 50 | 69 | 230 |
| Benzo[b]fluoranthene | ND | ug/L | 50 | 63 | 210 |
| Benzo[g,h,i]perylene | ND | ug/L | 50 | 67 | 220 |
| Benzo[k]fluoranthene | ND | ug/L | 50 | 84 | 280 |
| Chrysene | ND | ug/L | 50 | 70 | 230 |
| Dibenzo[a,h]anthracene | ND | ug/L | 50 | 66 | 220 |
| Dibenzofuran | ND | ug/L | 50 | 79 | 260 |
| Fluoranthene | ND | ug/L | 50 | 72 | 240 |
| Fluorene | ND | ug/L | 50 | 85 | 280 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 50 | 77 | 260 |
| 1-Methylnaphthalene | 630 | ug/L | 50 | 80 | 270 |
| 2-Methylnaphthalene | [210] | ug/L | 50 | 77 | 260 |
| 2-Methylphenol | ND | ug/L | 50 | 56 | 210 |
| 3 & 4-Methylphenol | ND | ug/L | 50 | 63 | 210 |
| Naphthalene | 1600 | ug/L | 50 | 83 | 280 |
| Phenanthrene | [87] | ug/L | 50 | 71 | 240 |
| Phenol | ND | ug/L | 50 | 25 | 85 |
| Pyrene | ND | ug/L | 50 | 72 | 240 |
| Benzo[e]pyrene | ND | ug/L | 50 | 55 | 180 |
| 2-Fluorophenol (SURR**) | 36% | | | | |
| Phenol-d5 (SURR**) | 28% | | | | |
| Nitrobenzene-d5 (SURR**) | 92% | | | | |
| 2-Fluorobiphenyl (SURR**) | 114% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 82% | | | | |
| Terphenyl-d14 (SURR**) | 116% | | | | |

Laboratory control, laboratory control duplicate, matrix spike, and matrix spike duplicate recoveries for Acenaphthene were outside QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84659**
**Project Description: Xcel Ashland 25688375**
**Project Title:** **Template: 8270WNSP Printed: 11/04/2004 10:07**

**Sample: 351189 NS-GW-MW-17-0904** **Collected: 09/24/04** **Analyzed: 09/30/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 39% | | | | |
| Phenol-d5 (SURR**) | 26% | | | | |
| Nitrobenzene-d5 (SURR**) | 87% | | | | |
| 2-Fluorobiphenyl (SURR**) | 88% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 94% | | | | |
| Terphenyl-d14 (SURR**) | 97% | | | | |

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84659**
**Project Description: Xcel Ashland 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 11/04/2004 10:07**

**Sample: 351190** **NS-WQ-MW-17-MS/MSD-0904** **Collected: 09/24/04** **Analyzed: 09/30/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 39% | | | | |
| Phenol-d5 (SURR**) | 26% | | | | |
| Nitrobenzene-d5 (SURR**) | 87% | | | | |
| 2-Fluorobiphenyl (SURR**) | 88% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 94% | | | | |
| Terphenyl-d14 (SURR**) | 97% | | | | |

Results reported same as sample number 351189.

Due to a lack of collection volume, sample 351190 extracted as a matrix spike and matrix spike duplicate only.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84659**

**Project Description: Xcel Ashland 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 11/04/2004 10:07**

**Sample: 351191** **NS-GW-MW-1[illegible]A-0904** **Collected: 09/24/04** **Analyzed: 09/30/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 45% | | | | |
| Phenol-d5 (SURR**) | 31% | | | | |
| Nitrobenzene-d5 (SURR**) | 87% | | | | |
| 2-Fluorobiphenyl (SURR**) | 86% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 100% | | | | |
| Terphenyl-d14 (SURR**) | 97% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84659**

***Project Description: Xcel Ashland 25688375***

**Project Title:** **Template: 8270WNSP** **Printed: 11/04/2004 10:07**

**Sample: 351192** **NS-GW-MW03-(NET)-0904** **Collected: 09/24/04** **Analyzed: 09/30/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 50 | 75 | 250 |
| Acenaphthylene | [86] | ug/L | 50 | 84 | 280 |
| Anthracene | [81] | ug/L | 50 | 68 | 230 |
| Benzo[a]anthracene | 280 | ug/L | 50 | 69 | 230 |
| Benzo[a]pyrene | 340 | ug/L | 50 | 69 | 230 |
| Benzo[b]fluoranthene | [180] | ug/L | 50 | 63 | 210 |
| Benzo[g,h,i]perylene | [180] | ug/L | 50 | 67 | 220 |
| Benzo[k]fluoranthene | [170] | ug/L | 50 | 84 | 280 |
| Chrysene | 280 | ug/L | 50 | 70 | 230 |
| Dibenzo[a,h]anthracene | ND | ug/L | 50 | 66 | 220 |
| Dibenzofuran | ND | ug/L | 50 | 79 | 260 |
| Fluoranthene | 420 | ug/L | 50 | 72 | 240 |
| Fluorene | ND | ug/L | 50 | 85 | 280 |
| Indeno[1,2,3-cd]pyrene | [130] | ug/L | 50 | 77 | 260 |
| 1-Methylnaphthalene | ND | ug/L | 50 | 80 | 270 |
| 2-Methylnaphthalene | ND | ug/L | 50 | 77 | 260 |
| 2-Methylphenol | ND | ug/L | 50 | 56 | 210 |
| 3 & 4-Methylphenol | ND | ug/L | 50 | 63 | 210 |
| Naphthalene | ND | ug/L | 50 | 83 | 280 |
| Phenanthrene | [130] | ug/L | 50 | 71 | 240 |
| Phenol | ND | ug/L | 50 | 25 | 85 |
| Pyrene | 790 | ug/L | 50 | 72 | 240 |
| Benzo[e]pyrene | 220 | ug/L | 50 | 55 | 180 |
| 2-Fluorophenol (SURR**) | 38% | | | | |
| Phenol-d5 (SURR**) | 28% | | | | |
| Nitrobenzene-d5 (SURR**) | 119% | | | | |
| 2-Fluorobiphenyl (SURR**) | 108% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 87% | | | | |
| Terphenyl-d14 (SURR**) | 109% | | | | |

Check standard recovery was outside QC limits for Indeno[1,2,3-cd]pyrene at 124%.

*Laboratory control, laboratory control duplicate, matrix spike, and matrix spike duplicate recoveries for* Acenaphthylene, Fluoranthene, Pyrene, Benzo[a]anthracene, Chrysene, Indeno[1,2,3-cd]pyrene, Benzo[b] and Benzo[k]fluoranthene, Benzo[a]pyrene, and Benzo[g,h,i]perylene were outside QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84659**
**Project Description: Xcel Ashland 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 11/04/2004 10:07**

**Sample: 351193** **NS-WQ-Dup4-0904** **Collected: 09/24/04** **Analyzed: 09/30/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 33 | ug/L | 2 | 3.0 | 10 |
| Acenaphthylene | ND | ug/L | 2 | 3.4 | 11 |
| Anthracene | ND | ug/L | 2 | 2.7 | 9.0 |
| Benzo[a]anthracene | ND | ug/L | 2 | 2.8 | 9.2 |
| Benzo[a]pyrene | ND | ug/L | 2 | 2.8 | 9.2 |
| Benzo[b]fluoranthene | ND | ug/L | 2 | 2.5 | 8.4 |
| Benzo[g,h,i]perylene | ND | ug/L | 2 | 2.7 | 9.0 |
| Benzo[k]fluoranthene | ND | ug/L | 2 | 3.4 | 11 |
| Chrysene | ND | ug/L | 2 | 2.8 | 9.3 |
| Dibenzo[a,h]anthracene | ND | ug/L | 2 | 2.6 | 8.8 |
| Dibenzofuran | ND | ug/L | 2 | 3.1 | 10 |
| Fluoranthene | ND | ug/L | 2 | 2.9 | 9.5 |
| Fluorene | [6.0] | ug/L | 2 | 3.4 | 11 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 2 | 3.1 | 10 |
| 1-Methylnaphthalene | 65 | ug/L | 2 | 3.2 | 11 |
| 2-Methylnaphthalene | ND | ug/L | 2 | 3.1 | 10 |
| 2-Methylphenol | ND | ug/L | 2 | 2.2 | 8.2 |
| 3 & 4-Methylphenol | ND | ug/L | 2 | 2.5 | 8.4 |
| Naphthalene | 93 | ug/L | 2 | 3.3 | 11 |
| Phenanthrene | [3.1] | ug/L | 2 | 2.9 | 9.5 |
| Phenol | [2.2] | ug/L | 2 | 1.0 | 3.4 |
| Pyrene | ND | ug/L | 2 | 2.9 | 9.6 |
| Benzo[e]pyrene | ND | ug/L | 2 | 2.2 | 7.4 |
| 2-Fluorophenol (SURR**) | 41% | | | | |
| Phenol-d5 (SURR**) | 29% | | | | |
| Nitrobenzene-d5 (SURR**) | 90% | | | | |
| 2-Fluorobiphenyl (SURR**) | 97% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 107% | | | | |
| Terphenyl-d14 (SURR**) | 108% | | | | |

Laboratory control, laboratory control duplicate, matrix spike, and matrix spike duplicate recoveries for Acenaphthene and Fluorene were outside QC limits.

** Surrogates are used to evaluate a method's Quality Control.

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 84659
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-TW-12-0904 NLS ID: 351187**
Ref. Line 1 COC 72158 NS-GW-TW-12-0904 Matrix: GW
Collected: 09/24/04 09:15 Received: 09/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.018 | mg/L | 1 | 0.0042 | 0.015 | 10/15/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.011] | mg/L | 1 | 0.0042 | 0.015 | 10/15/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/19/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/19/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/14/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/14/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 190 | ug/L | 1 | 2.5* | 5.0 | 10/15/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 190 | ug/L | 1 | 2.5* | 5.0 | 10/15/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/15/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/15/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | [0.18] | ug/L | 1 | 0.17 | 0.50 | 10/15/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | [0.23] | ug/L | 1 | 0.17 | 0.50 | 10/15/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 66 | mg/L | 1 | 0.15* | 0.30 | 10/15/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 66 | mg/L | 1 | 0.15* | 0.30 | 10/15/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 13 | ug/L | 1 | 3.6* | | 09/24/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | ug/L | | 3.6* | | 10/18/04 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | |
| Chromium, tot. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 10/15/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 10/15/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/18/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/15/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 09/28/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 14 | mg/L | 1 | 0.033 | 0.10 | 10/15/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 14 | mg/L | 1 | 0.033 | 0.10 | 10/15/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/15/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/15/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 20 | mg/L | 1 | 0.15* | 0.30 | 10/15/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 20 | mg/L | 1 | 0.15* | 0.30 | 10/15/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 770 | ug/L | 1 | 1.0* | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 770 | ug/L | 1 | 1.0* | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 09/30/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 09/30/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.9 | mg/L | 1 | 0.53 | 1.9 | 10/19/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 4.7 | mg/L | 1 | 0.53 | 1.9 | 10/19/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/17/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/17/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 57 | mg/L | 1 | 0.012 | 0.044 | 10/19/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 55 | mg/L | 1 | 0.012 | 0.044 | 10/19/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/18/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84659
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-TW-12-0904 NLS ID: 351187**
Ref. Line 1 COC 72158 NS-GW-TW-12-0904 Matrix: GW
Collected: 09/24/04 09:15 Received: 09/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/18/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | [0.79] | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/15/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/15/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 09/25/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 09/25/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 09/25/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 09/25/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 09/29/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/27/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 09/30/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel Ashland 25688375

NLS Project: 84659
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

**NS-GW-MW-01(NET)-0904 NLS ID: 351188**
Ref. Line 2 COC 72158 NS-GW-MW-01(NET)-0904 Matrix: GW
Collected: 09/24/04 10:30 Received: 09/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.85 | mg/L | 1 | 0.0042 | 0.015 | 10/15/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.013] | mg/L | 1 | 0.0042 | 0.015 | 10/15/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/19/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/19/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/14/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/14/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 140 | ug/L | 1 | 2.5* | 5.0 | 10/15/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 130 | ug/L | 1 | 2.5* | 5.0 | 10/15/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/15/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/15/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/15/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/15/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 38 | mg/L | 1 | 0.15* | 0.30 | 10/15/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 40 | mg/L | 1 | 0.15* | 0.30 | 10/15/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 24 | ug/L | 1 | 3.6* | | 09/24/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | ug/L | | 3.6* | | 10/18/04 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | |
| Chromium, tot. as Cr by ICP-Trace | 4.2 | ug/L | 1 | 0.51 | 1.8 | 10/15/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.73] | ug/L | 1 | 0.51 | 1.8 | 10/15/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 7.3 | ug/L | 1 | 1.3 | 4.0 | 10/18/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/15/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.0050] | mg/L | 1 | 0.0050 | 0.015 | 09/28/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 3.9 | mg/L | 1 | 0.033 | 0.10 | 10/15/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 3.2 | mg/L | 1 | 0.033 | 0.10 | 10/15/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | [1.5] | ug/L | 1 | 0.87 | 3.0 | 10/15/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/15/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 14 | mg/L | 1 | 0.15* | 0.30 | 10/15/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 13 | mg/L | 1 | 0.15* | 0.30 | 10/15/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 280 | ug/L | 1 | 1.0* | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 290 | ug/L | 1 | 1.0* | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 09/30/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 09/30/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 3.1 | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.3 | mg/L | 1 | 0.53 | 1.9 | 10/19/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 4.6 | mg/L | 1 | 0.53 | 1.9 | 10/19/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/17/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/17/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 48 | mg/L | 1 | 0.012 | 0.044 | 10/19/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 36 | mg/L | 1 | 0.012 | 0.044 | 10/19/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/18/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84659
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-01(NET)-0904 NLS ID: 351188**
Ref. Line 2 COC 72158 NS-GW-MW-01(NET)-0904 Matrix: GW
Collected: 09/24/04 10:30 Received: 09/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/18/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 5.2 | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [1.7] | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 21 | ug/L | 1 | 5.0* | 10 | 10/15/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/15/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 09/25/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 09/25/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 09/25/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 09/25/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 09/29/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/27/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 09/30/04 | SW846 8270C | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Ben Nelson**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 84659**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel Ashland 25688375**

**NS-GW-MW-17-0904 NLS ID: 351189**
Ref. Line 3 COC 72158 NS-GW-MW-17-0904 Matrix: GW
Collected: 09/24/04 10:45 Received: 09/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 3.5 | mg/L | 1 | 0.0042 | 0.015 | 10/15/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0050] | mg/L | 1 | 0.0042 | 0.015 | 10/15/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/19/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/19/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/14/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/14/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 200 | ug/L | 1 | 2.5* | 5.0 | 10/15/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 180 | ug/L | 1 | 2.5* | 5.0 | 10/15/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/15/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/15/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/15/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/15/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 100 | mg/L | 1 | 0.15* | 0.30 | 10/15/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 100 | mg/L | 1 | 0.15* | 0.30 | 10/15/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 8.0 | ug/L | 1 | 3.6* | | 09/24/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 10/18/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 8.1 | ug/L | 1 | 0.51 | 1.8 | 10/15/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 10/15/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | [1.8] | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 33 | ug/L | 1 | 1.3 | 4.0 | 10/15/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/15/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 09/28/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 3.4 | mg/L | 1 | 0.033 | 0.10 | 10/15/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 10/15/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 3.5 | ug/L | 1 | 0.87 | 3.0 | 10/15/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/15/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 71 | mg/L | 1 | 0.15* | 0.30 | 10/15/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 74 | mg/L | 1 | 0.15* | 0.30 | 10/15/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 160 | ug/L | 1 | 1.0* | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | [1.8] | ug/L | 1 | 1.0* | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 09/30/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 09/30/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 5.8 | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 5.0 | mg/L | 1 | 0.53 | 1.9 | 10/19/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 5.8 | mg/L | 1 | 0.53 | 1.9 | 10/19/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/17/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/17/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 34 | mg/L | 1 | 0.012 | 0.044 | 10/19/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 32 | mg/L | 1 | 0.012 | 0.044 | 10/19/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/18/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/18/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84659
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-17-0904 NLS ID: 351139**
Ref. Line 3 COC 72158 NS-GW-MW-17-0904 Matrix: GW
Collected: 09/24/04 10:45 Received: 09/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, tot. as V by ICP-Trace | 10 | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 2.3 | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 120 | ug/L | 1 | 5.0* | 10 | 10/15/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [9.7] | ug/L | 1 | 5.0* | 10 | 10/15/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 09/25/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 09/25/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 09/25/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 09/25/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 09/29/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/27/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 09/30/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 84659
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel Ashland 25688375

**NS-WQ-MW-17-MS/MSD-0904 NLS ID: 351190**
Ref. Line 4 COC 72158 NS-WQ-MW-17-MS/MSD-0904 Matrix: GW
Collected: 09/24/04 10:45 Received: 09/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 11 | mg/L | 1 | 0.0042 | 0.015 | 10/15/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 10/15/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/19/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 2 | 6.4 | 23 | 10/19/04 | SW846 7041 | 721026460 |
| Sample required a dilution to overcome negative interference encountered during analysis. | | | | | | | | |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/14/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [2.6] | ug/L | 1 | 2.6 | 9.0 | 10/14/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 250 | ug/L | 1 | 2.5* | 5.0 | 10/15/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 160 | ug/L | 1 | 2.5* | 5.0 | 10/15/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 10 | 1.7 | 5.0 | 10/19/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/15/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | [0.33] | ug/L | 1 | 0.17 | 0.50 | 10/15/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/15/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 110 | mg/L | 1 | 0.15* | 0.30 | 10/15/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 100 | mg/L | 1 | 0.15* | 0.30 | 10/15/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 09/24/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 22 | ug/L | 1 | 3.6* | | 10/18/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 22 | ug/L | 1 | 0.51 | 1.8 | 10/15/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 10/15/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 7.8 | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 31 | ug/L | 1 | 1.3 | 4.0 | 10/15/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/15/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 09/28/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 12 | mg/L | 1 | 0.033 | 0.10 | 10/15/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 10/15/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 5.1 | ug/L | 1 | 0.87 | 3.0 | 10/15/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/15/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 72 | mg/L | 1 | 0.15* | 0.30 | 10/15/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 69 | mg/L | 1 | 0.15* | 0.30 | 10/15/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 530 | ug/L | 1 | 1.0* | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | [1.2] | ug/L | 1 | 1.0* | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 09/30/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 09/30/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 16 | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 5.0 | mg/L | 1 | 0.53 | 1.9 | 10/19/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 8.0 | mg/L | 1 | 0.53 | 1.9 | 10/19/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 2 | 3.2 | 11 | 10/17/04 | SW846 7740 | 721026460 |
| Sample required a dilution to overcome negative interference encountered during analysis. | | | | | | | | |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 2 | 3.2 | 11 | 10/17/04 | SW846 7740 | 721026460 |
| Sample required a dilution to overcome negative interference encountered during analysis. | | | | | | | | |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 34 | mg/L | 1 | 0.012 | 0.044 | 10/19/04 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84659
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-WQ-MW-17-MS/MSD-0904 NLS ID: 351190**
Ref. Line 4 COC 72158 NS-WQ-MW-17-MS/MSD-0904 Matrix: GW
Collected: 09/24/04 10:45 Received: 09/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Sodium, tot. as Na | 34 | mg/L | 1 | 0.012 | 0.044 | 10/19/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/18/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/18/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 30 | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 2.3 | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 120 | ug/L | 1 | 5.0* | 10 | 10/15/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [10] | ug/L | 1 | 5.0* | 10 | 10/15/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 09/25/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 09/25/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 09/25/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 09/25/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 09/29/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/27/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 09/30/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84659
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-17A-0904 NLS ID: 351191**
Ref. Line 5 COC 72158 NS-GW-MW-17A-0904 Matrix: GW
Collected: 09/24/04 11:15 Received: 09/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 3.5 | mg/L | 1 | 0.0042 | 0.015 | 10/15/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.014] | mg/L | 1 | 0.0042 | 0.015 | 10/15/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/19/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/19/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/14/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/14/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 36 | ug/L | 1 | 2.5* | 5.0 | 10/15/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 14 | ug/L | 1 | 2.5* | 5.0 | 10/15/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/15/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/15/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/15/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/15/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 8.7 | mg/L | 1 | 0.15* | 0.30 | 10/15/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 8.3 | mg/L | 1 | 0.15* | 0.30 | 10/15/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 09/24/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 5.7 | ug/L | 1 | 3.6* | | 10/18/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 5.7 | ug/L | 1 | 0.51 | 1.8 | 10/15/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [1.3] | ug/L | 1 | 0.51 | 1.8 | 10/15/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | [1.5] | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 20 | ug/L | 1 | 1.3 | 4.0 | 10/18/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | 4.4 | ug/L | 1 | 1.3 | 4.0 | 10/15/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 09/28/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 3.2 | mg/L | 1 | 0.033 | 0.10 | 10/15/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 10/15/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 4.9 | ug/L | 1 | 0.87 | 3.0 | 10/15/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/15/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 2.4 | mg/L | 1 | 0.15* | 0.30 | 10/15/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 1.3 | mg/L | 1 | 0.15* | 0.30 | 10/15/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 85 | ug/L | 1 | 1.0* | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 8.3 | ug/L | 1 | 1.0* | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 09/30/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 09/30/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 7.5 | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 2.8 | ug/L | 1 | 0.67 | 2.0 | 10/18/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.3 | mg/L | 1 | 0.53 | 1.9 | 10/19/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 4.9 | mg/L | 1 | 0.53 | 1.9 | 10/19/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/17/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/17/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 10 | mg/L | 1 | 0.012 | 0.044 | 10/19/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 9.5 | mg/L | 1 | 0.012 | 0.044 | 10/19/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/18/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/18/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84659
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-17A-0904 NLS ID: 351191**
Ref. Line 5 COC 72158 NS-GW-MW-17A-0904 Matrix: GW
Collected: 09/24/04 11:15 Received: 09/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, tot. as V by ICP-Trace | 7.7 | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [1.6] | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 61 | ug/L | 1 | 5.0* | 10 | 10/15/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/15/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 09/25/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 09/25/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 09/25/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 09/25/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 09/29/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/27/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 09/30/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84659
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW03-(NET)-0904 NLS ID: 351192**
Ref. Line 6 COC 72158 NS-GW-MW03-(NET)-0904 Matrix: GW
Collected: 09/24/04 11:00 Received: 09/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 39 | mg/L | 2 | 0.0084 | 0.030 | 10/15/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.014] | mg/L | 1 | 0.0042 | 0.015 | 10/15/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/19/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | [3.4] | ug/L | 1 | 3.2 | 11 | 10/19/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/14/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [5.1] | ug/L | 1 | 2.6 | 9.0 | 10/14/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 370 | ug/L | 2 | 5.0* | 10 | 10/15/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 110 | ug/L | 1 | 2.5* | 5.0 | 10/15/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 10 | 1.7 | 5.0 | 10/19/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/15/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | 1.8 | ug/L | 2 | 0.34 | 1.0 | 10/15/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/15/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 120 | mg/L | 2 | 0.30* | 0.60 | 10/15/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 83 | mg/L | 1 | 0.15* | 0.30 | 10/15/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 12 | ug/L | 1 | 3.6* | | 09/24/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 190 | ug/L | 1 | 3.6* | | 10/18/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 200 | ug/L | 2 | 1.0 | 3.6 | 10/15/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 10/15/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 30 | ug/L | 2 | 1.3 | 4.0 | 10/15/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 200 | ug/L | 2 | 2.7 | 8.0 | 10/15/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | [1.8] | ug/L | 1 | 1.3 | 4.0 | 10/15/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.0050] | mg/L | 1 | 0.0050 | 0.015 | 09/28/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 36 | mg/L | 2 | 0.066 | 0.20 | 10/15/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 0.92 | mg/L | 1 | 0.033 | 0.10 | 10/15/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 68 | ug/L | 2 | 1.7 | 6.0 | 10/15/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/15/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 40 | mg/L | 2 | 0.30* | 0.60 | 10/15/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 16 | mg/L | 1 | 0.15* | 0.30 | 10/15/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 1400 | ug/L | 2 | 2.0* | 4.0 | 10/15/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 660 | ug/L | 1 | 1.0* | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 09/30/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | 0.090 | ug/L | 1 | 0.025 | 0.050 | 09/30/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 130 | ug/L | 2 | 1.3 | 4.0 | 10/15/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.6] | ug/L | 1 | 0.67 | 2.0 | 10/18/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 7.6 | mg/L | 1 | 0.53 | 1.9 | 10/19/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 19 | mg/L | 2 | 1.1 | 3.8 | 10/19/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/17/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/17/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 2 | 1.3 | 4.0 | 10/15/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 140 | mg/L | 1 | 0.012 | 0.044 | 10/19/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 140 | mg/L | 2 | 0.024 | 0.088 | 10/19/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/18/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/18/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
*10200 West Innovation Drive #500*
Milwaukee,WI 53226 4827

NLS Project: 84659
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW03-(NET)-0904 NLS ID: 351192**
Ref. Line 6 COC 72158 NS-GW-MW03-(NET)-0904 Matrix: GW
Collected: 09/24/04 11:00 Received: 09/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, tot. as V by ICP-Trace | 120 | ug/L | 2 | 1.3 | 4.0 | 10/15/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [0.83] | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 230 | ug/L | 2 | 10* | 20 | 10/15/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [8.2] | ug/L | 1 | 5.0* | 10 | 10/15/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 09/25/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 09/25/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 09/25/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 09/25/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 09/29/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/27/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 09/30/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
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400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 84659
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-WQ-Dup4-0904 NLS ID: 351193**
Ref. Line 7 COC 72158 NS-WQ-Dup4-0904 Matrix: GW
Collected: 09/24/04 00:00 Received: 09/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.030 | mg/L | 1 | 0.0042 | 0.015 | 10/15/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | 0.027 | mg/L | 1 | 0.0042 | 0.015 | 10/15/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/19/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/19/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [2.9] | ug/L | 1 | 2.6 | 9.0 | 10/14/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/14/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 200 | ug/L | 1 | 2.5* | 5.0 | 10/15/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 200 | ug/L | 1 | 2.5* | 5.0 | 10/15/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/15/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/15/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/15/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | [0.29] | ug/L | 1 | 0.17 | 0.50 | 10/15/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 68 | mg/L | 1 | 0.15* | 0.30 | 10/15/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 68 | mg/L | 1 | 0.15* | 0.30 | 10/15/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 16 | ug/L | 1 | 3.6* | | 09/24/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | ug/L | | 3.6* | | 10/18/04 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | |
| Chromium, tot. as Cr by ICP-Trace | [0.64] | ug/L | 1 | 0.51 | 1.8 | 10/15/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 10/15/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/18/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/15/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 09/28/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 14 | mg/L | 1 | 0.033 | 0.10 | 10/15/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 15 | mg/L | 1 | 0.033 | 0.10 | 10/15/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/15/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [1.2] | ug/L | 1 | 0.87 | 3.0 | 10/15/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 20 | mg/L | 1 | 0.15* | 0.30 | 10/15/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 20 | mg/L | 1 | 0.15* | 0.30 | 10/15/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 800 | ug/L | 1 | 1.0* | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 830 | ug/L | 1 | 1.0* | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 09/30/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 09/30/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.6] | ug/L | 1 | 0.67 | 2.0 | 10/18/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.8 | mg/L | 1 | 0.53 | 1.9 | 10/19/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 4.9 | mg/L | 1 | 0.53 | 1.9 | 10/19/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/17/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/17/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 58 | mg/L | 1 | 0.012 | 0.044 | 10/19/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 56 | mg/L | 1 | 0.012 | 0.044 | 10/19/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/18/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
*Analytical Laboratory and Environmental Services*
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
*WDATCP Laboratory Certification No. 105-330*
EPA Laboratory ID No. WI00034



**Client:** URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

**NLS Project:** 84659
**NLS Customer:** 91206

Fax: 414 831 4101 Phone: 414 831 4100

**Project:** Xcel Ashland 25688375

**NS-WQ-Dup4-0904 NLS ID: 351193**
Ref. Line 7 COC 72158 NS-WQ-Dup4-0904 Matrix: GW
Collected: 09/24/04 00:00 Received: 09/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/18/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/15/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/15/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [8.0] | ug/L | 1 | 5.0* | 10 | 10/15/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 09/25/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 09/25/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 09/25/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 09/25/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 09/29/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/27/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 09/30/04 | SW846 8270C | 721026460 |

**NS-WQ-Trip Blank5-0904 NLS ID: 351194**
Ref. Line 8 COC 72158 NS-WQ-Trip Blank5-0904 Matrix: TB
Collected: 09/24/04 00:00 Received: 09/24/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 09/29/04 | SW846 8260 | 721026460 |

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation" LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = *Maximum Contaminant Levels for Drinking Water Samples*

Reviewed by: _____

Authorized by:
R. T. Krueger
President

# ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84703**
**Project Description: Xcel Ashland 25688375**
**Project Title:** **Template: SAT2NSP** **Printed: 11/04/2004 10:08**

**Sample: 351319** **NS-GW-MW-23A-0904** **Collected: 09/27/04** **Analyzed: 09/29/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 4500 | ug/L | 500 | 58 | 190 |
| sec-Butylbenzene | ND | ug/L | 500 | 79 | 260 |
| Ethylbenzene | 1200 | ug/L | 500 | 71 | 230 |
| ortho-Xylene | 1300 | ug/L | 500 | 67 | 220 |
| Styrene | 2600 | ug/L | 500 | 70 | 230 |
| Toluene | 7500 | ug/L | 500 | 100 | 390 |
| 1,2,4-Trimethylbenzene | 470 | ug/L | 500 | 72 | 240 |
| 1,3,5-Trimethylbenzene | [110] | ug/L | 500 | 61 | 200 |
| meta,para-Xylene | 2700 | ug/L | 500 | 130 | 440 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 500 | 100 | 340 |
| Dibromofluoromethane (SURR**) | 97% | | | | |
| Toluene-d8 (SURR**) | 105% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

**Sample: 351320** **NS-GW-MW-23B-0904** **Collected: 09/27/04** **Analyzed: 09/29/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 2500 | ug/L | 500 | 58 | 190 |
| sec-Butylbenzene | ND | ug/L | 500 | 79 | 260 |
| Ethylbenzene | 330 | ug/L | 500 | 71 | 230 |
| ortho-Xylene | 890 | ug/L | 500 | 67 | 220 |
| Styrene | 2100 | ug/L | 500 | 70 | 230 |
| Toluene | 4000 | ug/L | 500 | 100 | 390 |
| 1,2,4-Trimethylbenzene | 420 | ug/L | 500 | 72 | 240 |
| 1,3,5-Trimethylbenzene | [110] | ug/L | 500 | 61 | 200 |
| meta,para-Xylene | 1800 | ug/L | 500 | 130 | 440 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 500 | 100 | 340 |
| Dibromofluoromethane (SURR**) | 97% | | | | |
| Toluene-d8 (SURR**) | 102% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 94% | | | | |

**Sample: 351321** **NS-WQ-Dup5-0904** **Collected: 09/27/04** **Analyzed: 09/29/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 5200 | ug/L | 500 | 58 | 190 |
| sec-Butylbenzene | ND | ug/L | 500 | 79 | 260 |
| Ethylbenzene | 1400 | ug/L | 500 | 71 | 230 |
| ortho-Xylene | 1400 | ug/L | 500 | 67 | 220 |
| Styrene | 2700 | ug/L | 500 | 70 | 230 |
| Toluene | 8600 | ug/L | 500 | 100 | 390 |
| 1,2,4-Trimethylbenzene | 530 | ug/L | 500 | 72 | 240 |
| 1,3,5-Trimethylbenzene | [130] | ug/L | 500 | 61 | 200 |
| meta,para-Xylene | 2900 | ug/L | 500 | 130 | 440 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 500 | 100 | 340 |
| Dibromofluoromethane (SURR**) | 107% | | | | |
| Toluene-d8 (SURR**) | 105% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84703**
**Project Description: Xcel Ashland 25688375**
**Project Title:** **Template: SAT2NSP** **Printed: 11/04/2004 10:08**

**Sample: 351322** **NS-WQ-Trip B ank6-0904** **Collected: 09/27/04** **Analyzed: 09/29/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | 0.86 | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 92% | | | | |
| Toluene-d8 (SURR**) | 99% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 91% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84703**

**Project Description: Xcel Ashland 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 11/04/2004 10:07**

**Sample: 351319** **NS-GW-MW-23A-0904** **Collected: 09/27/04** **Analyzed: 10/08/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 300 | 1000 |
| Acenaphthylene | ND | ug/L | 200 | 340 | 1100 |
| Anthracene | ND | ug/L | 200 | 270 | 900 |
| Benzo[a]anthracene | ND | ug/L | 200 | 280 | 920 |
| Benzo[a]pyrene | ND | ug/L | 200 | 280 | 920 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 250 | 840 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 270 | 900 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 340 | 1100 |
| Chrysene | ND | ug/L | 200 | 280 | 930 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 260 | 880 |
| Dibenzofuran | ND | ug/L | 200 | 310 | 1000 |
| Fluoranthene | ND | ug/L | 200 | 290 | 950 |
| Fluorene | ND | ug/L | 200 | 340 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 310 | 1000 |
| 1-Methylnaphthalene | [550] | ug/L | 200 | 320 | 1100 |
| 2-Methylnaphthalene | [800] | ug/L | 200 | 310 | 1000 |
| 2-Methylphenol | ND | ug/L | 200 | 220 | 820 |
| 3 & 4-Methylphenol | ND | ug/L | 200 | 250 | 840 |
| Naphthalene | 5400 | ug/L | 200 | 330 | 1100 |
| Phenanthrene | ND | ug/L | 200 | 290 | 950 |
| Phenol | ND | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 290 | 960 |
| Benzo[e]pyrene | ND | ug/L | 200 | 220 | 740 |
| 2-Fluorophenol (SURR**) | 39% | | | | |
| Phenol-d5 (SURR**) | 18% | | | | |
| Nitrobenzene-d5 (SURR**) | 80% | | | | |
| 2-Fluorobiphenyl (SURR**) | 105% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 63% | | | | |
| Terphenyl-d14 (SURR**) | 69% | | | | |

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84703**
**Project Description: Xcel Ashland 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 11/04/2004 10:07**

**Sample: 351320** **NS-GW-MW-23B-0904** **Collected: 09/27/04** **Analyzed: 10/08/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 300 | 1000 |
| Acenaphthylene | ND | ug/L | 200 | 340 | 1100 |
| Anthracene | ND | ug/L | 200 | 270 | 900 |
| Benzo[a]anthracene | ND | ug/L | 200 | 280 | 920 |
| Benzo[a]pyrene | ND | ug/L | 200 | 280 | 920 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 250 | 840 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 270 | 900 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 340 | 1100 |
| Chrysene | ND | ug/L | 200 | 280 | 930 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 260 | 880 |
| Dibenzofuran | ND | ug/L | 200 | 310 | 1000 |
| Fluoranthene | ND | ug/L | 200 | 290 | 950 |
| Fluorene | ND | ug/L | 200 | 340 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 310 | 1000 |
| 1-Methylnaphthalene | [700] | ug/L | 200 | 320 | 1100 |
| 2-Methylnaphthalene | 1000 | ug/L | 200 | 310 | 1000 |
| 2-Methylphenol | ND | ug/L | 200 | 220 | 820 |
| 3 & 4-Methylphenol | ND | ug/L | 200 | 250 | 840 |
| Naphthalene | 5800 | ug/L | 200 | 330 | 1100 |
| Phenanthrene | ND | ug/L | 200 | 290 | 950 |
| Phenol | ND | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 290 | 960 |
| Benzo[e]pyrene | ND | ug/L | 200 | 220 | 740 |
| 2-Fluorophenol (SURR**) | 0% | | | | |
| Phenol-d5 (SURR**) | 18% | | | | |
| Nitrobenzene-d5 (SURR**) | 77% | | | | |
| 2-Fluorobiphenyl (SURR**) | 105% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 42% | | | | |
| Terphenyl-d14 (SURR**) | 79% | | | | |

The surrogate 2-Fluorophenol did not recover due to sample matrix and a high dilution factor.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84703**
**Project Description: Xcel Ashland 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 11/04/2004 10:07**

**Sample: 351321** **NS-WQ-Dup5-0904** **Collected: 09/27/04** **Analyzed: 10/08/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 300 | 1000 |
| Acenaphthylene | ND | ug/L | 200 | 340 | 1100 |
| Anthracene | ND | ug/L | 200 | 270 | 900 |
| Benzo[a]anthracene | ND | ug/L | 200 | 280 | 920 |
| Benzo[a]pyrene | ND | ug/L | 200 | 280 | 920 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 250 | 840 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 270 | 900 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 340 | 1100 |
| Chrysene | ND | ug/L | 200 | 280 | 930 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 260 | 880 |
| Dibenzofuran | ND | ug/L | 200 | 310 | 1000 |
| Fluoranthene | ND | ug/L | 200 | 290 | 950 |
| Fluorene | ND | ug/L | 200 | 340 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 310 | 1000 |
| 1-Methylnaphthalene | [580] | ug/L | 200 | 320 | 1100 |
| 2-Methylnaphthalene | [820] | ug/L | 200 | 310 | 1000 |
| 2-Methylphenol | ND | ug/L | 200 | 220 | 820 |
| 3 & 4-Methylphenol | ND | ug/L | 200 | 250 | 840 |
| Naphthalene | 5600 | ug/L | 200 | 330 | 1100 |
| Phenanthrene | ND | ug/L | 200 | 290 | 950 |
| Phenol | ND | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 290 | 960 |
| Benzo[e]pyrene | ND | ug/L | 200 | 220 | 740 |
| 2-Fluorophenol (SURR**) | 32% | | | | |
| Phenol-d5 (SURR**) | 16% | | | | |
| Nitrobenzene-d5 (SURR**) | 76% | | | | |
| 2-Fluorobiphenyl (SURR**) | 108% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 51% | | | | |
| Terphenyl-d14 (SURR**) | 71% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84703
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-23A-0904 NLS ID: 351319**
Ref. Line 1 COC 72159 NS-GW-MW-23A-0904 Matrix: GW
Collected: 09/27/04 14:00 Received: 09/28/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.63 | mg/L | 1 | 0.0042 | 0.015 | 10/19/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.010] | mg/L | 1 | 0.0042 | 0.015 | 10/19/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/23/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/23/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/15/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/15/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 280 | ug/L | 1 | 2.5* | 5.0 | 10/19/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 270 | ug/L | 1 | 2.5* | 5.0 | 10/19/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/19/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/19/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/19/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/19/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 67 | mg/L | 1 | 0.15* | 0.30 | 10/19/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 65 | mg/L | 1 | 0.15* | 0.30 | 10/19/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 09/28/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 10/20/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [1.4] | ug/L | 1 | 0.51 | 1.8 | 10/19/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.76] | ug/L | 1 | 0.51 | 1.8 | 10/19/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/19/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/19/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | [1.5] | ug/L | 1 | 1.3 | 4.0 | 10/19/04 | SW846 6010 | 721026460 |
| | Batch 121f prep blank was contaminated for Cu at 30.25 ug/L. | | | | | | | |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/19/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.0060] | mg/L | 1 | 0.0050 | 0.015 | 10/06/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 0.85 | mg/L | 1 | 0.033 | 0.10 | 10/19/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 0.31 | mg/L | 1 | 0.033 | 0.10 | 10/19/04 | SW846 6010 | 721026460 |
| Lead tot. as Pb by ICP-Trace | [1.2] | ug/L | 1 | 0.87 | 3.0 | 10/19/04 | SW846 6010 | 721026460 |
| Lead dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/19/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 37 | mg/L | 1 | 0.15* | 0.30 | 10/19/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 36 | mg/L | 1 | 0.15* | 0.30 | 10/19/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 170 | ug/L | 1 | 1.0* | 2.0 | 10/19/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 150 | ug/L | 1 | 1.0* | 2.0 | 10/19/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 09/30/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 09/30/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | [1.3] | ug/L | 1 | 0.67 | 2.0 | 10/19/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [0.74] | ug/L | 1 | 0.67 | 2.0 | 10/19/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 6.7 | mg/L | 1 | 0.53 | 1.9 | 10/17/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 6.7 | mg/L | 1 | 0.53 | 1.9 | 10/17/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/26/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/26/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/19/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/19/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 24 | mg/L | 1 | 0.012 | 0.044 | 10/17/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 24 | mg/L | 1 | 0.012 | 0.044 | 10/17/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/22/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84703
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-23A-0904 NLS ID: 351319**
Ref. Line 1 COC 72159 NS-GW-MW-23A-0904 Matrix: GW
Collected: 09/27/04 14:00 Received: 09/28/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/22/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | [1.3] | ug/L | 1 | 0.67 | 2.0 | 10/19/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/19/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | [8.5] | ug/L | 1 | 5.0* | 10 | 10/19/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/19/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 10/11/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 10/11/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 10/11/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 10/11/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 09/29/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/30/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 10/08/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 84703
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel Ashland 25688375

**NS-GW-MW-23B-0904 NLS ID: 351320**
Ref. Line 2 COC 72159 NS-GW-MW-23B-0904 Matrix: GW
Collected: 09/27/04 14:15 Received: 09/28/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.15 | mg/L | 1 | 0.0042 | 0.015 | 10/19/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0090] | mg/L | 1 | 0.0042 | 0.015 | 10/19/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/23/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 2 | 6.4 | 23 | 10/23/04 | SW846 7041 | 721026460 |
| Sample required a dilution to overcome negative interference encountered during analysis. | | | | | | | | |
| Arsenic, dis. as As by furnace AAS | [3.6] | ug/L | 1 | 2.6 | 9.0 | 10/15/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/15/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 120 | ug/L | 1 | 2.5* | 5.0 | 10/19/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 120 | ug/L | 1 | 2.5* | 5.0 | 10/19/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/19/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/19/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/19/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/19/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 21 | mg/L | 1 | 0.15* | 0.30 | 10/19/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 21 | mg/L | 1 | 0.15* | 0.30 | 10/19/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 09/28/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 10/20/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [1.4] | ug/L | 1 | 0.51 | 1.8 | 10/19/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.79] | ug/L | 1 | 0.51 | 1.8 | 10/19/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/19/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/19/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/19/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/19/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.0060] | mg/L | 1 | 0.0050 | 0.015 | 10/06/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | [0.090] | mg/L | 1 | 0.033 | 0.10 | 10/19/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 10/19/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/19/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/19/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 7.9 | mg/L | 1 | 0.15* | 0.30 | 10/19/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 8.1 | mg/L | 1 | 0.15* | 0.30 | 10/19/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 35 | ug/L | 1 | 1.0* | 2.0 | 10/19/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 33 | ug/L | 1 | 1.0* | 2.0 | 10/19/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 09/30/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 09/30/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/19/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/19/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.7 | mg/L | 2 | 1.1 | 3.8 | 10/17/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 4.4 | mg/L | 1 | 0.53 | 1.9 | 10/17/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/26/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/26/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/19/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/19/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 32 | mg/L | 2 | 0.024 | 0.088 | 10/17/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 16 | mg/L | 1 | 0.012 | 0.044 | 10/17/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/22/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
*Analytical Laboratory and Environmental Services*
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Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84703
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-23B-0904 NLS ID: 351320**
Ref. Line 2 COC 72159 NS-GW-MW-23B-0904 Matrix: GW
Collected: 09/27/04 14:15 Received: 09/28/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/22/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/19/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/19/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/19/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/19/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 10/11/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 10/11/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 10/11/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 10/11/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 09/29/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/30/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 10/08/04 | SW846 8270C | 721026460 |

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Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 84703
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-WQ-Dup5-0904 NLS ID: 351321**
Ref. Line 3 COC 72159 NS-WQ-Dup5-0904 Matrix: GW
Collected: 09/27/04 00:00 Received: 09/28/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.18 | mg/L | 1 | 0.0042 | 0.015 | 10/19/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0080] | mg/L | 1 | 0.0042 | 0.015 | 10/19/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 2 | 6.4 | 23 | 10/23/04 | SW846 7041 | 721026460 |
| | Sample required a dilution to overcome negative interference encountered during analysis. | | | | | | | |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/23/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/15/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/15/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 270 | ug/L | 1 | 2.5* | 5.0 | 10/19/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 270 | ug/L | 1 | 2.5* | 5.0 | 10/19/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/19/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/19/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/19/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/19/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 67 | mg/L | 1 | 0.15* | 0.30 | 10/19/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 65 | mg/L | 1 | 0.15* | 0.30 | 10/19/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 09/28/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 10/20/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [1.3] | ug/L | 1 | 0.51 | 1.8 | 10/19/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.93] | ug/L | 1 | 0.51 | 1.8 | 10/19/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/19/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/19/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/19/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/19/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.0060] | mg/L | 1 | 0.0050 | 0.015 | 10/06/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 0.46 | mg/L | 1 | 0.033 | 0.10 | 10/19/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 0.30 | mg/L | 1 | 0.033 | 0.10 | 10/19/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/19/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/19/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 37 | mg/L | 1 | 0.15* | 0.30 | 10/19/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 36 | mg/L | 1 | 0.15* | 0.30 | 10/19/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 160 | ug/L | 1 | 1.0* | 2.0 | 10/19/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 150 | ug/L | 1 | 1.0* | 2.0 | 10/19/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 09/30/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 09/30/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | [0.79] | ug/L | 1 | 0.67 | 2.0 | 10/19/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [0.90] | ug/L | 1 | 0.67 | 2.0 | 10/19/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 6.6 | mg/L | 1 | 0.53 | 1.9 | 10/17/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 13 | mg/L | 2 | 1.1 | 3.8 | 10/17/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/26/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/26/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/19/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/19/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 23 | mg/L | 1 | 0.012 | 0.044 | 10/17/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 47 | mg/L | 2 | 0.024 | 0.088 | 10/17/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/22/04 | SW846 7841 | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Ben Nelson**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 84703**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel Ashland 25688375**

**NS-WQ-Dup5-0904 NLS ID: 351321**
Ref. Line 3 COC 72159 NS-WQ-Dup5-0904 Matrix: GW
Collected: 09/27/04 00:00 Received: 09/28/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/22/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/19/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/19/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/19/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/19/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 10/11/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 10/11/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 10/11/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 10/11/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 09/29/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/30/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 10/08/04 | SW846 8270C | 721026460 |

**NS-WQ-Trip Blank6-0904 NLS ID: 351322**
Ref. Line 4 COC 72159 NS-WQ-Trip Blank6-0904 Matrix: TB
Collected: 09/27/04 00:00 Received: 09/28/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 09/29/04 | SW846 8260 | 721026460 |

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

# ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84759**
**Project Description: Xcel Ashland 25688375**
**Project Title:** **Template: SAT2NSP** **Printed: 11/08/2004 16:05**

**Sample: 351561** **NS-GW-MW-02B (NET)-0904** **Collected: 09/28/04** **Analyzed: 10/06/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 20000 | ug/L | 2000 | 230 | 770 |
| sec-Butylbenzene | ND | ug/L | 2000 | 310 | 1000 |
| Ethylbenzene | 4000 | ug/L | 2000 | 280 | 940 |
| ortho-Xylene | 1600 | ug/L | 2000 | 270 | 890 |
| Styrene | 1400 | ug/L | 2000 | 280 | 940 |
| Toluene | 15000 | ug/L | 2000 | 410 | 1500 |
| 1,2,4-Trimethylbenzene | [530] | ug/L | 2000 | 290 | 960 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 2000 | 240 | 810 |
| meta,para-Xylene | 3300 | ug/L | 2000 | 520 | 1800 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 2000 | 410 | 1400 |
| Dibromofluoromethane (SURR**) | 98% | | | | |
| Toluene-d8 (SURR**) | 100% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 96% | | | | |

**Sample: 351562** **NS-GW-MW-02A (NET)-0904** **Collected: 09/28/04** **Analyzed: 10/06/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 87 | ug/L | 100 | 12 | 38 |
| sec-Butylbenzene | ND | ug/L | 100 | 16 | 52 |
| Ethylbenzene | [45] | ug/L | 100 | 14 | 47 |
| ortho-Xylene | 110 | ug/L | 100 | 13 | 44 |
| Styrene | 250 | ug/L | 100 | 14 | 47 |
| Toluene | 540 | ug/L | 100 | 20 | 77 |
| 1,2,4-Trimethylbenzene | 51 | ug/L | 100 | 14 | 48 |
| 1,3,5-Trimethylbenzene | [13] | ug/L | 100 | 12 | 41 |
| meta,para-Xylene | 240 | ug/L | 100 | 26 | 88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 100 | 21 | 68 |
| Dibromofluoromethane (SURR**) | 94% | | | | |
| Toluene-d8 (SURR**) | 98% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

**Sample: 351563** **NS-GW-MW-02 (NET)-0904** **Collected: 09/28/04** **Analyzed: 10/06/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 500 | ug/L | 40 | 4.6 | 15 |
| sec-Butylbenzene | ND | ug/L | 40 | 6.3 | 21 |
| Ethylbenzene | 50 | ug/L | 40 | 5.6 | 19 |
| ortho-Xylene | 24 | ug/L | 40 | 5.3 | 18 |
| Styrene | ND | ug/L | 40 | 5.6 | 19 |
| Toluene | 33 | ug/L | 40 | 8.2 | 31 |
| 1,2,4-Trimethylbenzene | [9.7] | ug/L | 40 | 5.8 | 19 |
| 1,3,5-Trimethylbenzene | [9.6] | ug/L | 40 | 4.9 | 16 |
| meta,para-Xylene | [18] | ug/L | 40 | 10 | 35 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 40 | 8.2 | 27 |
| Dibromofluoromethane (SURR**) | 97% | | | | |
| Toluene-d8 (SURR**) | 101% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84759**

**Project Description: Xcel Ashland 25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 11/08/2004 16:05**

**Sample: 351564** **NS-GW-MW-25-0904** **Collected: 09/28/04** **Analyzed: 10/06/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 1500 | ug/L | 100 | 12 | 38 |
| sec-Butylbenzene | ND | ug/L | 100 | 16 | 52 |
| Ethylbenzene | 360 | ug/L | 100 | 14 | 47 |
| ortho-Xylene | 110 | ug/L | 100 | 13 | 44 |
| Styrene | ND | ug/L | 100 | 14 | 47 |
| Toluene | ND | ug/L | 100 | 20 | 77 |
| 1,2,4-Trimethylbenzene | 79 | ug/L | 100 | 14 | 48 |
| 1,3,5-Trimethylbenzene | [20] | ug/L | 100 | 12 | 41 |
| meta,para-Xylene | [80] | ug/L | 100 | 26 | 88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 100 | 21 | 68 |
| Dibromofluoromethane (SURR**) | 98% | | | | |
| Toluene-d8 (SURR**) | 100% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

**Sample: 351565** **NS-GW-MW-25A-0904** **Collected: 09/28/04** **Analyzed: 10/06/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | [0.24] | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 101% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

**Sample: 351566** **NS-GW-MW-26-0904** **Collected: 09/28/04** **Analyzed: 10/06/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 40 | 4.6 | 15 |
| sec-Butylbenzene | ND | ug/L | 40 | 6.3 | 21 |
| Ethylbenzene | 35 | ug/L | 40 | 5.6 | 19 |
| ortho-Xylene | [15] | ug/L | 40 | 5.3 | 18 |
| Styrene | ND | ug/L | 40 | 5.6 | 19 |
| Toluene | [10] | ug/L | 40 | 8.2 | 31 |
| 1,2,4-Trimethylbenzene | 30 | ug/L | 40 | 5.8 | 19 |
| 1,3,5-Trimethylbenzene | [9.8] | ug/L | 40 | 4.9 | 16 |
| meta,para-Xylene | [31] | ug/L | 40 | 10 | 35 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 40 | 8.2 | 27 |
| Dibromofluoromethane (SURR**) | 98% | | | | |
| Toluene-d8 (SURR**) | 100% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 96% | | | | |

Sample was diluted due to a high level of Naphthalene.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84759**

**Project Description: Xcel Ashland 25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 11/08/2004 16:05**

**Sample: 351567** **NS-GW-MW-2[illegible]A-0904** **Collected: 09/28/04** **Analyzed: 10/06/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | 0.85 | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 98% | | | | |
| Toluene-d8 (SURR**) | 100% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

**Sample: 351568** **NS-GW-MW-2[illegible]-0904** **Collected: 09/28/04** **Analyzed: 10/06/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 220 | ug/L | 20 | 2.3 | 7.7 |
| sec-Butylbenzene | ND | ug/L | 20 | 3.1 | 10 |
| Ethylbenzene | 17 | ug/L | 20 | 2.8 | 9.4 |
| ortho-Xylene | [8.2] | ug/L | 20 | 2.7 | 8.9 |
| Styrene | ND | ug/L | 20 | 2.8 | 9.4 |
| Toluene | ND | ug/L | 20 | 4.1 | 15 |
| 1,2,4-Trimethylbenzene | 26 | ug/L | 20 | 2.9 | 9.6 |
| 1,3,5-Trimethylbenzene | [3.9] | ug/L | 20 | 2.4 | 8.1 |
| meta,para-Xylene | [5.3] | ug/L | 20 | 5.2 | 18 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 20 | 4.1 | 14 |
| Dibromofluoromethane (SURR**) | 96% | | | | |
| Toluene-d8 (SURR**) | 101% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

**Sample: 351569** **NS-GW-MW-2[illegible]A-0904-MS/MSD** **Collected: 09/28/04** **Analyzed: 10/06/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | [0.34] | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 91% | | | | |
| Toluene-d8 (SURR**) | 95% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 92% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84759**

**Project Description: Xcel Ashland 25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 11/08/2004 16:05**

**Sample: 351570** **NS-WQ-DUP6-0904** **Collected: 09/28/04** **Analyzed: 10/06/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 21000 | ug/L | 2000 | 230 | 770 |
| sec-Butylbenzene | ND | ug/L | 2000 | 310 | 1000 |
| Ethylbenzene | 4000 | ug/L | 2000 | 280 | 940 |
| ortho-Xylene | 1600 | ug/L | 2000 | 270 | 890 |
| Styrene | 1400 | ug/L | 2000 | 280 | 940 |
| Toluene | 14000 | ug/L | 2000 | 410 | 1500 |
| 1,2,4-Trimethylbenzene | [560] | ug/L | 2000 | 290 | 960 |
| 1,3,5-Trimethylbenzene | [720] | ug/L | 2000 | 240 | 810 |
| meta,para-Xylene | 3200 | ug/L | 2000 | 520 | 1800 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 2000 | 410 | 1400 |
| Dibromofluoromethane (SURR**) | 98% | | | | |
| Toluene-d8 (SURR**) | 99% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

**Sample: 351571** **NS-WQ-TripBlank7-0904** **Collected: 09/28/04** **Analyzed: 10/06/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | [0.35] | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 98% | | | | |
| Toluene-d8 (SURR**) | 97% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 93% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84759**

**Project Description: Xcel Ashland 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 11/08/2004 16:05**

**Sample: 351561** **NS-GW-MW-02B (NET)-0904** **Collected: 09/28/04** **Analyzed: 10/08/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 300 | 1000 |
| Acenaphthylene | ND | ug/L | 200 | 340 | 1100 |
| Anthracene | ND | ug/L | 200 | 270 | 900 |
| Benzo[a]anthracene | ND | ug/L | 200 | 280 | 920 |
| Benzo[a]pyrene | ND | ug/L | 200 | 280 | 920 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 250 | 840 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 270 | 900 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 340 | 1100 |
| Chrysene | ND | ug/L | 200 | 280 | 930 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 260 | 880 |
| Dibenzofuran | ND | ug/L | 200 | 310 | 1000 |
| Fluoranthene | ND | ug/L | 200 | 290 | 950 |
| Fluorene | ND | ug/L | 200 | 340 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 310 | 1000 |
| 1-Methylnaphthalene | [520] | ug/L | 200 | 320 | 1100 |
| 2-Methylnaphthalene | [700] | ug/L | 200 | 310 | 1000 |
| 2-Methylphenol | [240] | ug/L | 200 | 220 | 820 |
| 3 & 4-Methylphenol | [300] | ug/L | 200 | 250 | 840 |
| Naphthalene | 5700 | ug/L | 200 | 330 | 1100 |
| Phenanthrene | ND | ug/L | 200 | 290 | 950 |
| Phenol | ND | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 290 | 960 |
| Benzo[e]pyrene | ND | ug/L | 200 | 220 | 740 |
| 2-Fluorophenol (SURR**) | 35% | | | | |
| Phenol-d5 (SURR**) | 22% | | | | |
| Nitrobenzene-d5 (SURR**) | 85% | | | | |
| 2-Fluorobiphenyl (SURR**) | 106% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 50% | | | | |
| Terphenyl-d14 (SURR**) | 74% | | | | |

Laboratory control spike and laborato y control spike duplicate percent difference exceeded control limits for 2-Methylphenol and 3&4-Methylphenol.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84759**

**Project Description: Xcel Ashland 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 11/08/2004 16:05**

**Sample: 351562** **NS-GW-MW-02A (NET)-0904** **Collected: 09/28/04** **Analyzed: 10/08/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 20 | 30 | 100 |
| Acenaphthylene | ND | ug/L | 20 | 34 | 110 |
| Anthracene | ND | ug/L | 20 | 27 | 90 |
| Benzo[a]anthracene | ND | ug/L | 20 | 28 | 92 |
| Benzo[a]pyrene | ND | ug/L | 20 | 28 | 92 |
| Benzo[b]fluoranthene | ND | ug/L | 20 | 25 | 84 |
| Benzo[g,h,i]perylene | ND | ug/L | 20 | 27 | 90 |
| Benzo[k]fluoranthene | ND | ug/L | 20 | 34 | 110 |
| Chrysene | ND | ug/L | 20 | 28 | 93 |
| Dibenzo[a,h]anthracene | ND | ug/L | 20 | 26 | 88 |
| Dibenzofuran | ND | ug/L | 20 | 31 | 100 |
| Fluoranthene | ND | ug/L | 20 | 29 | 95 |
| Fluorene | ND | ug/L | 20 | 34 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 20 | 31 | 100 |
| 1-Methylnaphthalene | [47] | ug/L | 20 | 32 | 110 |
| 2-Methylnaphthalene | [68] | ug/L | 20 | 31 | 100 |
| 2-Methylphenol | ND | ug/L | 20 | 22 | 82 |
| 3 & 4-Methylphenol | ND | ug/L | 20 | 25 | 84 |
| Naphthalene | 480 | ug/L | 20 | 33 | 110 |
| Phenanthrene | ND | ug/L | 20 | 29 | 95 |
| Phenol | ND | ug/L | 20 | 10 | 34 |
| Pyrene | ND | ug/L | 20 | 29 | 96 |
| Benzo[e]pyrene | ND | ug/L | 20 | 22 | 74 |
| 2-Fluorophenol (SURR**) | 30% | | | | |
| Phenol-d5 (SURR**) | 20% | | | | |
| Nitrobenzene-d5 (SURR**) | 76% | | | | |
| 2-Fluorobiphenyl (SURR**) | 94% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 61% | | | | |
| Terphenyl-d14 (SURR**) | 72% | | | | |

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84759**
**Project Description: Xcel Ashland 25688375**
**Project Title:** **Template: 8270WNSP Printed: 11/08/2004 16:05**

**Sample: 351563 NS-GW-MW-02 (NET)-0904** **Collected: 09/28/04** **Analyzed: 10/08/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 13 | ug/L | 2 | 3.0 | 10 |
| Acenaphthylene | [9.6] | ug/L | 2 | 3.4 | 11 |
| Anthracene | [2.8] | ug/L | 2 | 2.7 | 9.0 |
| Benzo[a]anthracene | [5.0] | ug/L | 2 | 2.8 | 9.2 |
| Benzo[a]pyrene | 16 | ug/L | 2 | 2.8 | 9.2 |
| Benzo[b]fluoranthene | 8.9 | ug/L | 2 | 2.5 | 8.4 |
| Benzo[g,h,i]perylene | 11 | ug/L | 2 | 2.7 | 9.0 |
| Benzo[k]fluoranthene | [4.7] | ug/L | 2 | 3.4 | 11 |
| Chrysene | [5.8] | ug/L | 2 | 2.8 | 9.3 |
| Dibenzo[a,h]anthracene | ND | ug/L | 2 | 2.6 | 8.8 |
| Dibenzofuran | ND | ug/L | 2 | 3.1 | 10 |
| Fluoranthene | [5.3] | ug/L | 2 | 2.9 | 9.5 |
| Fluorene | [4.2] | ug/L | 2 | 3.4 | 11 |
| Indeno[1,2,3-cd]pyrene | [7.7] | ug/L | 2 | 3.1 | 10 |
| 1-Methylnaphthalene | 24 | ug/L | 2 | 3.2 | 11 |
| 2-Methylnaphthalene | [9.6] | ug/L | 2 | 3.1 | 10 |
| 2-Methylphenol | ND | ug/L | 2 | 2.2 | 8.2 |
| 3 & 4-Methylphenol | [7.7] | ug/L | 2 | 2.5 | 8.4 |
| Naphthalene | [8.6] | ug/L | 2 | 3.3 | 11 |
| Phenanthrene | [3.2] | ug/L | 2 | 2.9 | 9.5 |
| Phenol | 6.1 | ug/L | 2 | 1.0 | 3.4 |
| Pyrene | [9.0] | ug/L | 2 | 2.9 | 9.6 |
| Benzo[e]pyrene | 10 | ug/L | 2 | 2.2 | 7.4 |
| 2-Fluorophenol (SURR**) | 38% | | | | |
| Phenol-d5 (SURR**) | 27% | | | | |
| Nitrobenzene-d5 (SURR**) | 85% | | | | |
| 2-Fluorobiphenyl (SURR**) | 90% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 108% | | | | |
| Terphenyl-d14 (SURR**) | 69% | | | | |

Laboratory control spike and laboratory control spike duplicate percent difference exceeded control limits for 3&4-Methylphenol.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84759**

**Project Description: Xcel Ashland 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 11/08/2004 16:05**

**Sample: 351564** **NS-GW-MW-25-0904** **Collected: 09/28/04** **Analyzed: 10/08/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 100 | ug/L | 20 | 30 | 100 |
| Acenaphthylene | ND | ug/L | 20 | 34 | 110 |
| Anthracene | ND | ug/L | 20 | 27 | 90 |
| Benzo[a]anthracene | ND | ug/L | 20 | 28 | 92 |
| Benzo[a]pyrene | ND | ug/L | 20 | 28 | 92 |
| Benzo[b]fluoranthene | ND | ug/L | 20 | 25 | 84 |
| Benzo[g,h,i]perylene | ND | ug/L | 20 | 27 | 90 |
| Benzo[k]fluoranthene | ND | ug/L | 20 | 34 | 110 |
| Chrysene | ND | ug/L | 20 | 28 | 93 |
| Dibenzo[a,h]anthracene | ND | ug/L | 20 | 26 | 88 |
| Dibenzofuran | ND | ug/L | 20 | 31 | 100 |
| Fluoranthene | ND | ug/L | 20 | 29 | 95 |
| Fluorene | ND | ug/L | 20 | 34 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 20 | 31 | 100 |
| 1-Methylnaphthalene | 300 | ug/L | 20 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/L | 20 | 31 | 100 |
| 2-Methylphenol | ND | ug/L | 20 | 22 | 82 |
| 3 & 4-Methylphenol | ND | ug/L | 20 | 25 | 84 |
| Naphthalene | 680 | ug/L | 20 | 33 | 110 |
| Phenanthrene | ND | ug/L | 20 | 29 | 95 |
| Phenol | ND | ug/L | 20 | 10 | 34 |
| Pyrene | ND | ug/L | 20 | 29 | 96 |
| Benzo[e]pyrene | ND | ug/L | 20 | 22 | 74 |
| 2-Fluorophenol (SURR**) | 36% | | | | |
| Phenol-d5 (SURR**) | 26% | | | | |
| Nitrobenzene-d5 (SURR**) | 86% | | | | |
| 2-Fluorobiphenyl (SURR**) | 101% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 91% | | | | |
| Terphenyl-d14 (SURR**) | 74% | | | | |

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84759**
**Project Description: Xcel Ashland 25688375**
**Project Title:** **Template: 8270WNSP Printed: 11/08/2004 16:05**

**Sample: 351565 NS-GW-MW-25A-0904** **Collected: 09/28/04** **Analyzed: 10/08/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 39% | | | | |
| Phenol-d5 (SURR**) | 25% | | | | |
| Nitrobenzene-d5 (SURR**) | 79% | | | | |
| 2-Fluorobiphenyl (SURR**) | 77% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 87% | | | | |
| Terphenyl-d14 (SURR**) | 66% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84759**

**Project Description: Xcel Ashland 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 11/08/2004 16:05**

**Sample: 351566** **NS-GW-MW-26-0904** **Collected: 09/28/04** **Analyzed: 10/08/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [90] | ug/L | 20 | 30 | 100 |
| Acenaphthylene | ND | ug/L | 20 | 34 | 110 |
| Anthracene | ND | ug/L | 20 | 27 | 90 |
| Benzo[a]anthracene | ND | ug/L | 20 | 28 | 92 |
| Benzo[a]pyrene | ND | ug/L | 20 | 28 | 92 |
| Benzo[b]fluoranthene | ND | ug/L | 20 | 25 | 84 |
| Benzo[g,h,i]perylene | ND | ug/L | 20 | 27 | 90 |
| Benzo[k]fluoranthene | ND | ug/L | 20 | 34 | 110 |
| Chrysene | ND | ug/L | 20 | 28 | 93 |
| Dibenzo[a,h]anthracene | ND | ug/L | 20 | 26 | 88 |
| Dibenzofuran | ND | ug/L | 20 | 31 | 100 |
| Fluoranthene | ND | ug/L | 20 | 29 | 95 |
| Fluorene | ND | ug/L | 20 | 34 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 20 | 31 | 100 |
| 1-Methylnaphthalene | 170 | ug/L | 20 | 32 | 110 |
| 2-Methylnaphthalene | 210 | ug/L | 20 | 31 | 100 |
| 2-Methylphenol | ND | ug/L | 20 | 22 | 82 |
| 3 & 4-Methylphenol | ND | ug/L | 20 | 25 | 84 |
| Naphthalene | 390 | ug/L | 20 | 33 | 110 |
| Phenanthrene | [42] | ug/L | 20 | 29 | 95 |
| Phenol | ND | ug/L | 20 | 10 | 34 |
| Pyrene | ND | ug/L | 20 | 29 | 96 |
| Benzo[e]pyrene | ND | ug/L | 20 | 22 | 74 |
| 2-Fluorophenol (SURR**) | 31% | | | | |
| Phenol-d5 (SURR**) | 24% | | | | |
| Nitrobenzene-d5 (SURR**) | 89% | | | | |
| 2-Fluorobiphenyl (SURR**) | 101% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 93% | | | | |
| Terphenyl-d14 (SURR**) | 75% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84759**

**Project Description: Xcel Ashland 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 11/08/2004 16:05**

**Sample: 351567** **NS-GW-MW-26A-0904** **Collected: 09/28/04** **Analyzed: 10/08/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | [2.0] | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | [2.3] | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 42% | | | | |
| Phenol-d5 (SURR**) | 28% | | | | |
| Nitrobenzene-d5 (SURR**) | 78% | | | | |
| 2-Fluorobiphenyl (SURR**) | 77% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 96% | | | | |
| Terphenyl-d14 (SURR**) | 65% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84759**

**Project Description: Xcel Ashland 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 11/08/2004 16:05**

**Sample: 351568** **NS-GW-MW-24-0904** **Collected: 09/28/04** **Analyzed: 10/08/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 33 | ug/L | 2 | 3.0 | 10 |
| Acenaphthylene | ND | ug/L | 2 | 3.4 | 11 |
| Anthracene | ND | ug/L | 2 | 2.7 | 9.0 |
| Benzo[a]anthracene | ND | ug/L | 2 | 2.8 | 9.2 |
| Benzo[a]pyrene | ND | ug/L | 2 | 2.8 | 9.2 |
| Benzo[b]fluoranthene | ND | ug/L | 2 | 2.5 | 8.4 |
| Benzo[g,h,i]perylene | ND | ug/L | 2 | 2.7 | 9.0 |
| Benzo[k]fluoranthene | ND | ug/L | 2 | 3.4 | 11 |
| Chrysene | ND | ug/L | 2 | 2.8 | 9.3 |
| Dibenzo[a,h]anthracene | ND | ug/L | 2 | 2.6 | 8.8 |
| Dibenzofuran | ND | ug/L | 2 | 3.1 | 10 |
| Fluoranthene | ND | ug/L | 2 | 2.9 | 9.5 |
| Fluorene | [5.6] | ug/L | 2 | 3.4 | 11 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 2 | 3.1 | 10 |
| 1-Methylnaphthalene | 66 | ug/L | 2 | 3.2 | 11 |
| 2-Methylnaphthalene | [4.4] | ug/L | 2 | 3.1 | 10 |
| 2-Methylphenol | ND | ug/L | 2 | 2.2 | 8.2 |
| 3 & 4-Methylphenol | ND | ug/L | 2 | 2.5 | 8.4 |
| Naphthalene | 44 | ug/L | 2 | 3.3 | 11 |
| Phenanthrene | ND | ug/L | 2 | 2.9 | 9.5 |
| Phenol | ND | ug/L | 2 | 1.0 | 3.4 |
| Pyrene | ND | ug/L | 2 | 2.9 | 9.6 |
| Benzo[e]pyrene | ND | ug/L | 2 | 2.2 | 7.4 |
| 2-Fluorophenol (SURR**) | 35% | | | | |
| Phenol-d5 (SURR**) | 25% | | | | |
| Nitrobenzene-d5 (SURR**) | 79% | | | | |
| 2-Fluorobiphenyl (SURR**) | 87% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 101% | | | | |
| Terphenyl-d14 (SURR**) | 70% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84759**

**Project Description: Xcel Ashland 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 11/08/2004 16:05**

**Sample: 351569** **NS-GW-MW-21A-0904-MS/MSD** **Collected: 09/28/04** **Analyzed: 10/08/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 38% | | | | |
| Phenol-d5 (SURR**) | 25% | | | | |
| Nitrobenzene-d5 (SURR**) | 79% | | | | |
| 2-Fluorobiphenyl (SURR**) | 78% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 91% | | | | |
| Terphenyl-d14 (SURR**) | 65% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84759**

**Project Description: Xcel Ashland 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 11/08/2004 16:05**

**Sample: 351570** **NS-WQ-DUP6-0904** **Collected: 09/28/04** **Analyzed: 10/08/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 300 | 1000 |
| Acenaphthylene | ND | ug/L | 200 | 340 | 1100 |
| Anthracene | ND | ug/L | 200 | 270 | 900 |
| Benzo[a]anthracene | ND | ug/L | 200 | 280 | 920 |
| Benzo[a]pyrene | ND | ug/L | 200 | 280 | 920 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 250 | 840 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 270 | 900 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 340 | 1100 |
| Chrysene | ND | ug/L | 200 | 280 | 930 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 260 | 880 |
| Dibenzofuran | ND | ug/L | 200 | 310 | 1000 |
| Fluoranthene | ND | ug/L | 200 | 290 | 950 |
| Fluorene | ND | ug/L | 200 | 340 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 310 | 1000 |
| 1-Methylnaphthalene | [520] | ug/L | 200 | 320 | 1100 |
| 2-Methylnaphthalene | [700] | ug/L | 200 | 310 | 1000 |
| 2-Methylphenol | [230] | ug/L | 200 | 220 | 820 |
| 3 & 4-Methylphenol | [290] | ug/L | 200 | 250 | 840 |
| *Naphthalene* | *5700* | *ug/L* | *200* | *330* | *1100* |
| Phenanthrene | ND | ug/L | 200 | 290 | 950 |
| Phenol | ND | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 290 | 960 |
| Benzo[e]pyrene | ND | ug/L | 200 | 220 | 740 |
| 2-Fluorophenol (SURR**) | 33% | | | | |
| Phenol-d5 (SURR**) | 25% | | | | |
| Nitrobenzene-d5 (SURR**) | 87% | | | | |
| 2-Fluorobiphenyl (SURR**) | 114% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 87% | | | | |
| Terphenyl-d14 (SURR**) | 83% | | | | |

Laboratory control spike and laboratory control spike duplicate percent difference exceeded control limits for 2-Methylphenol and 3&4-Methylphenol.

** Surrogates are used to evaluate a method's Quality Control.

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84759
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-02B (NET)-0904 NLS ID: 351561**

Ref. Line 1 COC 72160 NS-GW-MW-02B (NET)-0904 Matrix: GW
Collected: 09/28/04 10:00 Received: 09/29/04
Notes: Hexavalent Chromium & dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.023 | mg/L | 1 | 0.0042 | 0.015 | 10/20/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 10/20/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/25/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/25/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/25/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/25/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 990 | ug/L | 1 | 2.5* | 5.0 | 10/20/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 910 | ug/L | 1 | 2.5* | 5.0 | 10/20/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 82 | mg/L | 2 | 0.30* | 0.60 | 10/26/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 78 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 09/29/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 10/26/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 10/20/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 10/20/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 2 | 1.3 | 4.0 | 10/26/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/20/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/20/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.0070] | mg/L | 1 | 0.0050 | 0.015 | 10/06/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 0.52 | mg/L | 2 | 0.066 | 0.20 | 10/26/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 0.47 | mg/L | 1 | 0.033 | 0.10 | 10/20/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | [2.4] | ug/L | 1 | 0.87 | 3.0 | 10/20/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | 3.4 | ug/L | 1 | 0.87 | 3.0 | 10/20/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 41 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 39 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 150 | ug/L | 1 | 1.0* | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 130 | ug/L | 1 | 1.0* | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 10/05/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 10/05/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 7.4 | mg/L | 1 | 0.53 | 1.9 | 10/17/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 7.3 | mg/L | 1 | 0.53 | 1.9 | 10/17/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/26/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/26/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 24 | mg/L | 1 | 0.012 | 0.044 | 10/17/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 24 | mg/L | 1 | 0.012 | 0.044 | 10/17/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/23/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84759
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-02B (NET)-0904 NLS ID: 351561**
Ref. Line 1 COC 72160 NS-GW-MW-02B (NET)-0904 Matrix: GW
Collected: 09/28/04 10:00 Received: 09/29/04
Notes: Hexavalent Chromium & dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/23/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/20/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/20/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 10/12/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 10/12/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 10/13/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 10/13/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 10/06/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/30/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 10/08/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84759
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-02A (NET)-0904 NLS ID: 351562**
Ref. Line 2 COC 72160 NS-GW-MW-02A (NET)-0904 Matrix: GW
Collected: 09/28/04 10:15 Received: 09/29/04
Notes: Hexavalent Chromium & dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.067 | mg/L | 1 | 0.0042 | 0.015 | 10/20/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 10/20/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/25/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/25/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [3.1] | ug/L | 1 | 2.6 | 9.0 | 10/25/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [3.4] | ug/L | 1 | 2.6 | 9.0 | 10/25/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 140 | ug/L | 1 | 2.5* | 5.0 | 10/20/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 140 | ug/L | 1 | 2.5* | 5.0 | 10/20/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 19 | mg/L | 1 | 0.15* | 0.30 | 10/26/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 19 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 09/29/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 10/26/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 10/20/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 10/20/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/20/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/20/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 10/06/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | [0.075] | mg/L | 1 | 0.033 | 0.10 | 10/26/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 10/20/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | [1.6] | ug/L | 1 | 0.87 | 3.0 | 10/20/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [1.4] | ug/L | 1 | 0.87 | 3.0 | 10/20/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 7.2 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 7.4 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 20 | ug/L | 1 | 1.0* | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 19 | ug/L | 1 | 1.0* | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 10/05/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 10/05/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.1 | mg/L | 1 | 0.53 | 1.9 | 10/17/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 4.1 | mg/L | 1 | 0.53 | 1.9 | 10/17/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/26/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/26/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 14 | mg/L | 1 | 0.012 | 0.044 | 10/17/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 14 | mg/L | 1 | 0.012 | 0.044 | 10/17/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/23/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 84759
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-02A (NET)-0904 NLS ID: 351562**
Ref. Line 2 COC 72160 NS-GW-MW-02A (NET)-0904 Matrix: GW
Collected: 09/28/04 10:15 Received: 09/29/04
*Notes: Hexavalent Chromium & dissolved metals were collected after 13:00 hours.*

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/23/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/20/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/20/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 10/12/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 10/12/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 10/13/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 10/13/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 10/06/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/30/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 10/08/04 | SW846 8270C | 721026460 |

NORTHERN [illegible]E SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84759
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-02 (NET)-0904 NLS ID: 351563**
Ref. Line 3 COC 72160 NS-GW-MW-02 (NET)-0904 Matrix: GW
Collected: 09/28/04 10:30 Received: 09/29/04
Notes: Hexavalent Chromium & dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 17 | mg/L | 1 | 0.0042 | 0.015 | 10/20/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | 0.033 | mg/L | 1 | 0.0042 | 0.015 | 10/20/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/25/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/25/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/25/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [5.8] | ug/L | 1 | 2.6 | 9.0 | 10/25/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 160 | ug/L | 1 | 2.5* | 5.0 | 10/20/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 38 | ug/L | 1 | 2.5* | 5.0 | 10/20/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 11/04/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 2 | 0.34 | 1.0 | 10/20/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | 0.93 | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 41 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 36 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 5.0 | ug/L | 1 | 3.6* | | 09/29/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 240 | ug/L | 1 | 3.6* | | 10/26/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 250 | ug/L | 1 | 0.51 | 1.8 | 10/20/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.96] | ug/L | 1 | 0.51 | 1.8 | 10/20/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 6.4 | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 69 | ug/L | 1 | 1.3 | 4.0 | 10/20/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/20/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 10/06/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 16 | mg/L | 2 | 0.066 | 0.20 | 10/26/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 1.6 | mg/L | 1 | 0.033 | 0.10 | 10/20/04 | SW846 6010 | 721026460 |
| Lead tot. as Pb by ICP-Trace | 34 | ug/L | 1 | 0.87 | 3.0 | 10/20/04 | SW846 6010 | 721026460 |
| Lead dis. as Pb by ICP-Trace | [2.1] | ug/L | 1 | 0.87 | 3.0 | 10/20/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 15 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 9.8 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 260 | ug/L | 1 | 1.0* | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 67 | ug/L | 1 | 1.0* | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 10/05/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | 0.13 | ug/L | 1 | 0.025 | 0.050 | 10/05/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 31 | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [2.0] | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 5.1 | mg/L | 1 | 0.53 | 1.9 | 10/17/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 8.8 | mg/L | 1 | 0.53 | 1.9 | 10/17/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/26/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/26/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | [1.1] | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 33 | mg/L | 1 | 0.012 | 0.044 | 10/17/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 26 | mg/L | 1 | 0.012 | 0.044 | 10/17/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/23/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 84759
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel Ashland 25688375

**NS-GW-MW-02 (NET)-0904 NLS ID: 351563**
Ref. Line 3 COC 72160 NS-GW-MW-02 (NET)-0904 Matrix: GW
Collected: 09/28/04 10:30 Received: 09/29/04
Notes: Hexavalent Chromium & dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/23/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 29 | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [1.4] | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 210 | ug/L | 1 | 5.0* | 10 | 10/20/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/20/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 10/12/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 10/12/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 10/13/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 10/13/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 10/06/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/30/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 10/08/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84759
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-25-0904 NLS ID: 351564**
Ref. Line 4 COC 72160 NS-GW-MW-25-0904 Matrix: GW
Collected: 09/28/04 11:00 Received: 09/29/04
Notes: Hexavalent Chromium & dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 18 | mg/L | 1 | 0.0042 | 0.015 | 10/20/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0050] | mg/L | 1 | 0.0042 | 0.015 | 10/20/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/25/04 | SW846 7041 | 721026460 |
| Antimony, tot as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/25/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/25/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [3.8] | ug/L | 1 | 2.6 | 9.0 | 10/25/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 310 | ug/L | 1 | 2.5* | 5.0 | 10/20/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 160 | ug/L | 1 | 2.5* | 5.0 | 10/20/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 2 | 0.34 | 1.0 | 11/04/04 | SW846 6010 | 721026460 |
| Beryllium, dis as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Cadmium, tot as Cd by ICP-Trace | 0.85 | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 53 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 53 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 10 | ug/L | 1 | 3.6* | | 09/29/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 12 | ug/L | 1 | 3.6* | | 10/26/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 22 | ug/L | 1 | 0.51 | 1.8 | 10/20/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | 1.9 | ug/L | 1 | 0.51 | 1.8 | 10/20/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 8.1 | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 29 | ug/L | 1 | 1.3 | 4.0 | 10/20/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/20/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 10/06/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 17 | mg/L | 2 | 0.066 | 0.20 | 10/26/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 2.6 | mg/L | 1 | 0.033 | 0.10 | 10/20/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 72 | ug/L | 1 | 0.87 | 3.0 | 10/20/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [1.6] | ug/L | 1 | 0.87 | 3.0 | 10/20/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 22 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 16 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 920 | ug/L | 1 | 1.0* | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 970 | ug/L | 1 | 1.0* | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 10/05/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 10/05/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 21 | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.4 | mg/L | 1 | 0.53 | 1.9 | 10/17/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 9.1 | mg/L | 1 | 0.53 | 1.9 | 10/17/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/26/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/26/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 47 | mg/L | 1 | 0.012 | 0.044 | 10/17/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 42 | mg/L | 1 | 0.012 | 0.044 | 10/17/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/23/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 84759
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel Ashland 25688375

**NS-GW-MW-25-0904 NLS ID: 351564**
Ref. Line 4 COC 72160 NS-GW-MW-25-0904 Matrix: GW
Collected: 09/28/04 11:00 Received: 09/29/04
Notes: Hexavalent Chromium & dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/23/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 42 | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 89 | ug/L | 1 | 5.0* | 10 | 10/20/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/20/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 10/12/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 10/12/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 10/13/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 10/13/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 10/06/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/30/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 10/08/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84759
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-25A-0904 NLS ID: 351565**
Ref. Line 5 COC 72160 NS-GW-MW-25A-0904 Matrix: GW
Collected: 09/28/04 11:15 Received: 09/29/04
Notes: Hexavalent Chromium & dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.20 | mg/L | 1 | 0.0042 | 0.015 | 10/20/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 10/20/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/25/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/25/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/25/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/25/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 76 | ug/L | 1 | 2.5* | 5.0 | 10/20/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 72 | ug/L | 1 | 2.5* | 5.0 | 10/20/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 16 | mg/L | 1 | 0.15* | 0.30 | 10/26/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 16 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 09/29/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 10/26/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 10/20/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 10/20/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/20/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/20/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 10/06/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 0.11 | mg/L | 1 | 0.033 | 0.10 | 10/26/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 10/20/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | [2.1] | ug/L | 1 | 0.87 | 3.0 | 10/20/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [2.1] | ug/L | 1 | 0.87 | 3.0 | 10/20/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 5.8 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 5.8 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 17 | ug/L | 1 | 1.0* | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 17 | ug/L | 1 | 1.0* | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 10/05/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 10/05/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 5.3 | mg/L | 1 | 0.53 | 1.9 | 10/17/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 5.3 | mg/L | 1 | 0.53 | 1.9 | 10/17/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/26/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/26/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 16 | mg/L | 1 | 0.012 | 0.044 | 10/17/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 17 | mg/L | 1 | 0.012 | 0.044 | 10/17/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/23/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 84759
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel Ashland 25688375

**NS-GW-MW-25A-0904 NLS ID: 351565**
Ref. Line 5 COC 72160 NS-GW-MW-25A-0904 Matrix: GW
Collected: 09/28/04 11:15 Received: 09/29/04
Notes: Hexavalent Chromium & dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/23/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | [0.90] | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [0.92] | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/20/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/20/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 10/12/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 10/12/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 10/13/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 10/13/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 10/06/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/30/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 10/08/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84759
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-26-0904 NLS ID: 351566**
Ref. Line 6 COC 72160 NS-GW-MW-26-0904 Matrix: GW
Collected: 09/28/04 12:10 Received: 09/29/04
Notes: Hexavalent Chromium & dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 19 | mg/L | 1 | 0.0042 | 0.015 | 10/20/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0060] | mg/L | 1 | 0.0042 | 0.015 | 10/20/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/25/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/25/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/25/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/25/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 420 | ug/L | 1 | 2.5* | 5.0 | 10/20/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 43 | ug/L | 1 | 2.5* | 5.0 | 10/20/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 5 | 0.85 | 2.5 | 11/04/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | 1.2 | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 190 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 16 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 09/29/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 26 | ug/L | 1 | 3.6* | | 10/26/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 26 | ug/L | 1 | 0.51 | 1.8 | 10/20/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 10/20/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 13 | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 36 | ug/L | 1 | 1.3 | 4.0 | 10/20/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/20/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 10/06/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 42 | mg/L | 5 | 0.17 | 0.50 | 10/26/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 10/20/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 21 | ug/L | 1 | 0.87 | 3.0 | 10/20/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [1.6] | ug/L | 1 | 0.87 | 3.0 | 10/20/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 33 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 5.0 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 2900 | ug/L | 1 | 1.0* | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 67 | ug/L | 1 | 1.0* | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 10/05/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 10/05/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 23 | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.4 | mg/L | 1 | 0.53 | 1.9 | 10/17/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 14 | mg/L | 1 | 0.53 | 1.9 | 10/17/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/26/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/26/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 19 | mg/L | 1 | 0.012 | 0.044 | 10/17/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 22 | mg/L | 1 | 0.012 | 0.044 | 10/17/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/23/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 84759
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-26-0904 NLS ID: 351566**
Ref. Line 6 COC 72160 NS-GW-MW-26-0904 Matrix: GW
Collected: 09/28/04 12:10 Received: 09/29/04
Notes: Hexavalent Chromium & dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/23/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 61 | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 80 | ug/L | 1 | 5.0* | 10 | 10/20/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/20/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 10/12/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 10/12/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 10/13/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 10/13/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 10/06/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/30/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 10/08/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84759
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-26A-0904 NLS ID: 351567**
Ref. Line 7 COC 72160 NS-GW-MW-26A-0904 Matrix: GW
Collected: 09/28/04 12:30 Received: 09/29/04
Notes: Hexavalent Chromium & dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.26 | mg/L | 1 | 0.0042 | 0.015 | 10/20/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.013] | mg/L | 1 | 0.0042 | 0.015 | 10/20/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/25/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/25/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [3.4] | ug/L | 1 | 2.6 | 9.0 | 10/25/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/25/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 47 | ug/L | 1 | 2.5* | 5.0 | 10/20/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 300 | ug/L | 1 | 2.5* | 5.0 | 10/20/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | 0.65 | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 17 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 180 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 6.3 | ug/L | 1 | 3.6* | | 09/29/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | ug/L | | 3.6* | | 10/26/04 | Calc. | 721026460 |
| | No reportable result due to hexavalent chromium result exceeding that of total chromium. | | | | | | | |
| Chromium, tot. as Cr by ICP-Trace | [1.3] | ug/L | 1 | 0.51 | 1.8 | 10/20/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 10/20/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | [1.4] | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | [1.9] | ug/L | 1 | 1.3 | 4.0 | 10/20/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/20/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 10/06/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 1.2 | mg/L | 1 | 0.033 | 0.10 | 10/26/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 27 | mg/L | 1 | 0.033 | 0.10 | 10/20/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 3.1 | ug/L | 1 | 0.87 | 3.0 | 10/20/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [2.7] | ug/L | 1 | 0.87 | 3.0 | 10/20/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 5.1 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 24 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 76 | ug/L | 1 | 1.0* | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 2600 | ug/L | 1 | 1.0* | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 10/05/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 10/05/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [0.97] | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 9.9 | mg/L | 1 | 0.53 | 1.9 | 10/17/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 4.8 | mg/L | 1 | 0.53 | 1.9 | 10/17/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/26/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/26/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | [1.0] | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 21 | mg/L | 1 | 0.012 | 0.044 | 10/17/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 19 | mg/L | 1 | 0.012 | 0.044 | 10/17/04 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
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400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84759
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-26A-0904 NLS ID: 351567**

Ref. Line 7 COC 72160 NS-GW-MW-26A-0904 Matrix: GW
Collected: 09/28/04 12:30 Received: 09/29/04
Notes: Hexavalent Chromium & dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/23/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/23/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 2.5 | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 20 | ug/L | 1 | 5.0* | 10 | 10/20/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [6.5] | ug/L | 1 | 5.0* | 10 | 10/20/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 10/12/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 10/12/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 10/13/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 10/13/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 10/06/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/30/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 10/08/04 | SW846 8270C | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84759
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-24-0904 NLS ID: 351568**
Ref. Line 8 COC 72160 NS-GW-MW-24-0904 Matrix: GW
Collected: 09/28/04 13:30 Received: 09/29/04
Notes: Hexavalent Chromium & dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 13 | mg/L | 1 | 0.0042 | 0.015 | 10/20/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.012] | mg/L | 1 | 0.0042 | 0.015 | 10/20/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/25/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/25/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/25/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [3.6] | ug/L | 1 | 2.6 | 9.0 | 10/25/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 340 | ug/L | 1 | 2.5* | 5.0 | 10/20/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 270 | ug/L | 1 | 2.5* | 5.0 | 10/20/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 5 | 0.85 | 2.5 | 11/04/04 | SW846 6010 | 721026460 |
| Beryllium, dis as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | 0.67 | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 90 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 91 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 13 | ug/L | 1 | 3.6* | | 09/29/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 4.8 | ug/L | 1 | 3.6* | | 10/26/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 17 | ug/L | 1 | 0.51 | 1.8 | 10/20/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 10/20/04 | SW846 6010 | 721026460 |
| Cobalt. tot. as Co by ICP-Trace | 9.6 | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Cobalt. dis. as Co by ICP-Trace | 2.4 | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 27 | ug/L | 1 | 1.3 | 4.0 | 10/20/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/20/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 10/06/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 18 | mg/L | 5 | 0.17 | 0.50 | 10/26/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 9.3 | mg/L | 1 | 0.033 | 0.10 | 10/20/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 21 | ug/L | 1 | 0.87 | 3.0 | 10/20/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [1.9] | ug/L | 1 | 0.87 | 3.0 | 10/20/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 29 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 25 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 2400 | ug/L | 1 | 1.0* | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 2600 | ug/L | 1 | 1.0* | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 10/05/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 10/05/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 16 | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 6.4 | mg/L | 1 | 0.53 | 1.9 | 10/17/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 8.9 | mg/L | 1 | 0.53 | 1.9 | 10/17/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/26/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/26/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 48 | mg/L | 1 | 0.012 | 0.044 | 10/17/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 50 | mg/L | 1 | 0.012 | 0.044 | 10/17/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/23/04 | SW846 7841 | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 84759
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-24-0904 NLS ID: 351568**
Ref. Line 8 COC 72160 NS-GW-MW-24-0904 Matrix: GW
Collected: 09/28/04 13:30 Received: 09/29/04
Notes: Hexavalent Chromium & dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/23/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 44 | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 58 | ug/L | 1 | 5.0* | 10 | 10/20/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/20/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 10/12/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 10/12/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 10/13/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 10/13/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 10/06/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/30/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 10/08/04 | SW846 8270C | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 84759
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel Ashland 25688375

**NS-GW-MW-24A-0904-MS/MSD NLS ID: 351569**
Ref. Line 9 COC 72160 NS-GW-MW-24A-0904-MS/MSD Matrix: GW
Collected: 09/28/04 14:00 Received: 09/29/04
Notes: Hexavalent Chromium & dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 1.0 | mg/L | 1 | 0.0042 | 0.015 | 10/20/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 10/20/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/25/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/25/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [2.7] | ug/L | 1 | 2.6 | 9.0 | 10/25/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [3.3] | ug/L | 1 | 2.6 | 9.0 | 10/25/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 87 | ug/L | 1 | 2.5* | 5.0 | 10/20/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 78 | ug/L | 1 | 2.5* | 5.0 | 10/20/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 14 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 13 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 09/29/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 10/26/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [1.2] | ug/L | 1 | 0.51 | 1.8 | 10/20/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 10/20/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 5 | 3.4 | 10 | 10/26/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/20/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/20/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 10/06/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 0.81 | mg/L | 1 | 0.033 | 0.10 | 10/26/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 10/20/04 | SW846 6010 | 721026460 |
| Lead tot. as Pb by ICP-Trace | [2.6] | ug/L | 1 | 0.87 | 3.0 | 10/20/04 | SW846 6010 | 721026460 |
| Lead dis. as Pb by ICP-Trace | [1.4] | ug/L | 1 | 0.87 | 3.0 | 10/20/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 5.1 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 4.7 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 34 | ug/L | 1 | 1.0* | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 18 | ug/L | 1 | 1.0* | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 10/05/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 10/05/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | [1.0] | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 5 | 3.4 | 10 | 10/26/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 3.9 | mg/L | 1 | 0.53 | 1.9 | 10/17/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 4.2 | mg/L | 1 | 0.53 | 1.9 | 10/17/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/26/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/26/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 16 | mg/L | 1 | 0.012 | 0.044 | 10/17/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 16 | mg/L | 1 | 0.012 | 0.044 | 10/17/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/23/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84759
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-24A-0904-MS/MSD NLS ID: 351569**
Ref. Line 9 COC 72160 NS-GW-MW-24A-0904-MS/MSD Matrix: GW
Collected: 09/28/04 14:00 Received: 09/29/04
Notes: Hexavalent Chromium & dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/23/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | [1.6] | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [0.76] | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 11 | ug/L | 1 | 5.0* | 10 | 10/20/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/20/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 10/12/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 10/12/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 10/13/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 10/13/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 10/06/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/30/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 10/08/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84759
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-WQ-DUP6-0904 NLS ID: 351570**
Ref. Line 10 COC 72160 NS-WQ-DUP6-0904 Matrix: GW
Collected: 09/28/04 00:00 Received: 09/29/04
Notes: Hexavalent Chromium & dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.019 | mg/L | 1 | 0.0042 | 0.015 | 10/20/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 10/20/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/25/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/25/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/25/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/25/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 1000 | ug/L | 1 | 2.5* | 5.0 | 10/20/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 950 | ug/L | 1 | 2.5* | 5.0 | 10/20/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 82 | mg/L | 1 | 0.15* | 0.30 | 10/26/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 81 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 09/29/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 10/26/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [0.63] | ug/L | 1 | 0.51 | 1.8 | 10/20/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 10/20/04 | SW846 6010 | 721026460 |
| Cobalt. tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Cobalt. dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/20/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/20/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.0070] | mg/L | 1 | 0.0050 | 0.015 | 10/06/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 0.54 | mg/L | 1 | 0.033 | 0.10 | 10/26/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 0.49 | mg/L | 1 | 0.033 | 0.10 | 10/20/04 | SW846 6010 | 721026460 |
| Lead tot. as Pb by ICP-Trace | [2.0] | ug/L | 1 | 0.87 | 3.0 | 10/20/04 | SW846 6010 | 721026460 |
| Lead dis. as Pb by ICP-Trace | [3.0] | ug/L | 1 | 0.87 | 3.0 | 10/20/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 41 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 41 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 150 | ug/L | 1 | 1.0* | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 140 | ug/L | 1 | 1.0* | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 10/05/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 10/05/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 7.5 | mg/L | 1 | 0.53 | 1.9 | 10/17/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 7.4 | mg/L | 1 | 0.53 | 1.9 | 10/17/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/26/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/26/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 24 | mg/L | 1 | 0.012 | 0.044 | 10/17/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 25 | mg/L | 1 | 0.012 | 0.044 | 10/17/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/23/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 84759
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**Client:** URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

**Project:** Xcel Ashland 25688375

**NS-WQ-DUP6-0904 NLS ID: 351570**
Ref. Line 10 COC 72160 NS-WQ-DUP6-0904 Matrix: GW
Collected: 09/28/04 00:00 Received: 09/29/04
Notes: Hexavalent Chromium & dissolved metals were collected after 13:00 hours.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/23/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/20/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/20/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 10/12/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 10/12/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 10/13/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 10/13/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 10/06/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 09/30/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 10/08/04 | SW846 8270C | 721026460 |

**NS-WQ-TripBlank7-0904 NLS ID: 351571**
Ref. Line 2 COC 72161 NS-WQ-TripBlank7-0904 Matrix: TB
Collected: 09/28/04 00:00 Received: 09/29/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 10/06/04 | SW846 8260 | 721026460 |

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84807**

**Project Description: Xcel Ashland 25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 11/04/2004 10:08**

**Sample: 351690** **NS-GW-MW-07R-0904** **Collected: 09/29/04** **Analyzed: 10/07/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 36000 | ug/L | 2500 | 290 | 960 |
| sec-Butylbenzene | ND | ug/L | 2500 | 390 | 1300 |
| Ethylbenzene | 3900 | ug/L | 2500 | 350 | 1200 |
| ortho-Xylene | 1600 | ug/L | 2500 | 330 | 1100 |
| Styrene | 1300 | ug/L | 2500 | 350 | 1200 |
| Toluene | 16000 | ug/L | 2500 | 510 | 1900 |
| 1,2,4-Trimethylbenzene | [570] | ug/L | 2500 | 360 | 1200 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 2500 | 310 | 1000 |
| meta,para-Xylene | 3200 | ug/L | 2500 | 660 | 2200 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 2500 | 510 | 1700 |
| Dibromofluoromethane (SURR**) | 90% | | | | |
| Toluene-d8 (SURR**) | 98% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 92% | | | | |

Matrix spike and matrix spike duplicate percent difference exceeded control limits for Styrene.

**Sample: 351691** **NS-GW-MW-07A-0904** **Collected: 09/29/04** **Analyzed: 10/07/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 9300 | ug/L | 1000 | 120 | 380 |
| sec-Butylbenzene | ND | ug/L | 1000 | 160 | 520 |
| Ethylbenzene | 1400 | ug/L | 1000 | 140 | 470 |
| ortho-Xylene | 910 | ug/L | 1000 | 130 | 440 |
| Styrene | 1200 | ug/L | 1000 | 140 | 470 |
| Toluene | 5700 | ug/L | 1000 | 200 | 770 |
| 1,2,4-Trimethylbenzene | [450] | ug/L | 1000 | 140 | 480 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1000 | 120 | 410 |
| meta,para-Xylene | 1800 | ug/L | 1000 | 260 | 880 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1000 | 210 | 680 |
| Dibromofluoromethane (SURR**) | 101% | | | | |
| Toluene-d8 (SURR**) | 105% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

Matrix spike and matrix spike duplicate percent difference exceeded control limits for Styrene.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84807**

**Project Description: Xcel Ashland 25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 11/04/2004 10:08**

**Sample: 351692** **NS-GW-MW-07B-0904** **Collected: 09/29/04** **Analyzed: 10/07/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 1.4 | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | 0.53 | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | [0.41] | ug/L | 1 | 0.13 | 0.44 |
| Styrene | [0.28] | ug/L | 1 | 0.14 | 0.47 |
| Toluene | [0.60] | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | [0.35] | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | [0.45] | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 102% | | | | |
| Toluene-d8 (SURR**) | 106% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 104% | | | | |

Matrix spike and matrix spike duplicate percent difference exceeded control limits for Styrene.

**Sample: 351693** **NS-WP-AW-01-MS/MSD-0904** **Collected: 09/29/04** **Analyzed: 10/07/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | [0.22] | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 96% | | | | |
| Toluene-d8 (SURR**) | 101% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 97% | | | | |

**Sample: 351694** **NS-WP-AW-02-0904** **Collected: 09/29/04** **Analyzed: 10/07/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | [0.21] | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 99% | | | | |
| Toluene-d8 (SURR**) | 104% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84807**

**Project Description: Xcel Ashland 25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 11/04/2004 10:08**

**Sample: 351695** **NS-WQ-Dup7-0904** **Collected: 09/29/04** **Analyzed: 10/07/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 9600 | ug/L | 1000 | 120 | 380 |
| sec-Butylbenzene | ND | ug/L | 1000 | 160 | 520 |
| Ethylbenzene | 1600 | ug/L | 1000 | 140 | 470 |
| ortho-Xylene | 890 | ug/L | 1000 | 130 | 440 |
| Styrene | 1100 | ug/L | 1000 | 140 | 470 |
| Toluene | 6100 | ug/L | 1000 | 200 | 770 |
| 1,2,4-Trimethylbenzene | [440] | ug/L | 1000 | 140 | 480 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1000 | 120 | 410 |
| meta,para-Xylene | 1800 | ug/L | 1000 | 260 | 880 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1000 | 210 | 680 |
| Dibromofluoromethane (SURR**) | 97% | | | | |
| Toluene-d8 (SURR**) | 105% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 104% | | | | |

Matrix spike and matrix spike duplicate percent difference exceeded control limits for Styrene.

**Sample: 351696** **NS-WQ-Trip Blank8-0904** **Collected: 09/29/04** **Analyzed: 10/07/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | ND | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 98% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 98% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84807**

**Project Description: Xcel Ashland 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 11/04/2004 10:08**

**Sample: 351690** **NS-GW-MW-07R-0904** **Collected: 09/29/04** **Analyzed: 10/12/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 300 | 1000 |
| Acenaphthylene | ND | ug/L | 200 | 340 | 1100 |
| Anthracene | ND | ug/L | 200 | 270 | 900 |
| Benzo[a]anthracene | ND | ug/L | 200 | 280 | 920 |
| Benzo[a]pyrene | ND | ug/L | 200 | 280 | 920 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 250 | 840 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 270 | 900 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 340 | 1100 |
| Chrysene | ND | ug/L | 200 | 280 | 930 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 260 | 880 |
| Dibenzofuran | ND | ug/L | 200 | 310 | 1000 |
| Fluoranthene | ND | ug/L | 200 | 290 | 950 |
| Fluorene | ND | ug/L | 200 | 340 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 310 | 1000 |
| 1-Methylnaphthalene | [810] | ug/L | 200 | 320 | 1100 |
| 2-Methylnaphthalene | 1200 | ug/L | 200 | 310 | 1000 |
| 2-Methylphenol | 1500 | ug/L | 200 | 220 | 820 |
| 3 & 4-Methylphenol | 2000 | ug/L | 200 | 250 | 840 |
| Naphthalene | 5600 | ug/L | 200 | 330 | 1100 |
| Phenanthrene | ND | ug/L | 200 | 290 | 950 |
| Phenol | [280] | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 290 | 960 |
| Benzo[e]pyrene | ND | ug/L | 200 | 220 | 740 |
| 2-Fluorophenol (SURR**) | 31% | | | | |
| Phenol-d5 (SURR**) | 31% | | | | |
| Nitrobenzene-d5 (SURR**) | 98% | | | | |
| 2-Fluorobiphenyl (SURR**) | 115% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 100% | | | | |
| Terphenyl-d14 (SURR**) | 101% | | | | |

Laboratory control and laboratory control spike duplicate percent difference exceeded control limits for 3&4-Methylphenol.

Matrix spike duplicate recoveries for Phenol and Naphthalene were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84807**
**Project Description: Xcel Ashland 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 11/04/2004 10:08**

**Sample: 351691** **NS-GW-MW-07A-0904** **Collected: 09/29/04** **Analyzed: 10/12/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 300 | 1000 |
| Acenaphthylene | [350] | ug/L | 200 | 340 | 1100 |
| Anthracene | ND | ug/L | 200 | 270 | 900 |
| Benzo[a]anthracene | ND | ug/L | 200 | 280 | 920 |
| Benzo[a]pyrene | ND | ug/L | 200 | 280 | 920 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 250 | 840 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 270 | 900 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 340 | 1100 |
| Chrysene | ND | ug/L | 200 | 280 | 930 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 260 | 880 |
| Dibenzofuran | ND | ug/L | 200 | 310 | 1000 |
| Fluoranthene | ND | ug/L | 200 | 290 | 950 |
| Fluorene | ND | ug/L | 200 | 340 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 310 | 1000 |
| 1-Methylnaphthalene | [810] | ug/L | 200 | 320 | 1100 |
| 2-Methylnaphthalene | 1200 | ug/L | 200 | 310 | 1000 |
| 2-Methylphenol | ND | ug/L | 200 | 220 | 820 |
| 3 & 4-Methylphenol | ND | ug/L | 200 | 250 | 840 |
| Naphthalene | 5000 | ug/L | 200 | 330 | 1100 |
| Phenanthrene | ND | ug/L | 200 | 290 | 950 |
| Phenol | ND | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 290 | 960 |
| Benzo[e]pyrene | ND | ug/L | 200 | 220 | 740 |
| 2-Fluorophenol (SURR**) | 26% | | | | |
| Phenol-d5 (SURR**) | 20% | | | | |
| Nitrobenzene-d5 (SURR**) | 74% | | | | |
| 2-Fluorobiphenyl (SURR**) | 104% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 28% | | | | |
| Terphenyl-d14 (SURR**) | 106% | | | | |

Matrix spike duplicate recoveries for Phenol and Naphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84807**

**Project Description: Xcel Ashland 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 11/04/2004 10:08**

**Sample: 351692** **NS-GW-MW-07B-0904** **Collected: 09/29/04** **Analyzed: 10/12/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [2.2] | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | [1.9] | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | [2.0] | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | [2.1] | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | [4.7] | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | [3.6] | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | [2.7] | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 35% | | | | |
| Phenol-d5 (SURR**) | 24% | | | | |
| Nitrobenzene-d5 (SURR**) | 81% | | | | |
| 2-Fluorobiphenyl (SURR**) | 76% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 88% | | | | |
| Terphenyl-d14 (SURR**) | 62% | | | | |

Matrix spike duplicate recoveries for Phenol and Naphthalene were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84807**
**Project Description: Xcel Ashland 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 11/04/2004 10:08**

**Sample: 351693** **NS-WP-AW-01 MS/MSD-0904** **Collected: 09/29/04** **Analyzed: 10/12/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 35% | | | | |
| Phenol-d5 (SURR**) | 24% | | | | |
| Nitrobenzene-d5 (SURR**) | 76% | | | | |
| 2-Fluorobiphenyl (SURR**) | 74% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 85% | | | | |
| Terphenyl-d14 (SURR**) | 78% | | | | |

Matrix spike duplicate recoveries for Phenol and Naphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84807**

**Project Description: Xcel Ashland 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 11/04/2004 10:08**

**Sample: 351694** **NS-WP-AW-02-0904** **Collected: 09/29/04** **Analyzed: 10/12/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 36% | | | | |
| Phenol-d5 (SURR**) | 24% | | | | |
| Nitrobenzene-d5 (SURR**) | 82% | | | | |
| 2-Fluorobiphenyl (SURR**) | 75% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 84% | | | | |
| Terphenyl-d14 (SURR**) | 79% | | | | |

Matrix spike duplicate recoveries for Phenol and Naphthalene were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84807**
**Project Description: Xcel Ashland 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 11/04/2004 10:08**

**Sample: 351695** **NS-WQ-Dup7-0904** **Collected: 09/29/04** **Analyzed: 10/12/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 300 | 1000 |
| Acenaphthylene | ND | ug/L | 200 | 340 | 1100 |
| Anthracene | ND | ug/L | 200 | 270 | 900 |
| Benzo[a]anthracene | ND | ug/L | 200 | 280 | 920 |
| Benzo[a]pyrene | ND | ug/L | 200 | 280 | 920 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 250 | 840 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 270 | 900 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 340 | 1100 |
| Chrysene | ND | ug/L | 200 | 280 | 930 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 260 | 880 |
| Dibenzofuran | ND | ug/L | 200 | 310 | 1000 |
| Fluoranthene | ND | ug/L | 200 | 290 | 950 |
| Fluorene | ND | ug/L | 200 | 340 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 310 | 1000 |
| 1-Methylnaphthalene | [760] | ug/L | 200 | 320 | 1100 |
| 2-Methylnaphthalene | 1100 | ug/L | 200 | 310 | 1000 |
| 2-Methylphenol | ND | ug/L | 200 | 220 | 820 |
| 3 & 4-Methylphenol | ND | ug/L | 200 | 250 | 840 |
| Naphthalene | 4900 | ug/L | 200 | 330 | 1100 |
| Phenanthrene | ND | ug/L | 200 | 290 | 950 |
| Phenol | ND | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 290 | 960 |
| Benzo[e]pyrene | ND | ug/L | 200 | 220 | 740 |
| 2-Fluorophenol (SURR**) | 22% | | | | |
| Phenol-d5 (SURR**) | 20% | | | | |
| Nitrobenzene-d5 (SURR**) | 82% | | | | |
| 2-Fluorobiphenyl (SURR**) | 98% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 48% | | | | |
| Terphenyl-d14 (SURR**) | 107% | | | | |

Matrix spike duplicate recoveries for Phenol and Naphthalene were below QC limits.

** Surrogates are used to evaluate a method's Quality Control.

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 84807
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**Client:** URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

**Project:** Xcel Ashland 25688375

**NS-GW-MW-07R-0904 NLS ID: 351690**
Ref. Line 1 COC 72164 NS-GW-MW-07R-0904 Matrix: GW
Collected: 09/29/04 13:15 Received: 09/30/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 6.8 | mg/L | 1 | 0.0042 | 0.015 | 10/20/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 10/20/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/25/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/25/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/26/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [3.3] | ug/L | 1 | 2.6 | 9.0 | 10/26/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 860 | ug/L | 1 | 2.5* | 5.0 | 10/20/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 760 | ug/L | 1 | 2.5* | 5.0 | 10/20/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 74 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 68 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 3.9 | ug/L | 1 | 3.6* | | 09/30/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 10/26/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 7.5 | ug/L | 1 | 0.51 | 1.8 | 10/20/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 10/20/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | [1.1] | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 45 | ug/L | 1 | 1.3 | 4.0 | 10/20/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/20/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | 0.018 | mg/L | 1 | 0.0050 | 0.015 | 10/07/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 6.7 | mg/L | 1 | 0.033 | 0.10 | 10/26/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 0.58 | mg/L | 1 | 0.033 | 0.10 | 10/20/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 11 | ug/L | 1 | 0.87 | 3.0 | 10/20/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [2.8] | ug/L | 1 | 0.87 | 3.0 | 10/20/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 42 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 39 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 250 | ug/L | 1 | 1.0* | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 140 | ug/L | 1 | 1.0* | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 10/06/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | [0.045] | ug/L | 1 | 0.025 | 0.050 | 10/06/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 6.6 | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 5.7 | mg/L | 1 | 0.53 | 1.9 | 10/19/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 7.3 | mg/L | 1 | 0.53 | 1.9 | 10/19/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/27/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/27/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 29 | mg/L | 1 | 0.012 | 0.044 | 10/19/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 30 | mg/L | 1 | 0.012 | 0.044 | 10/19/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/24/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/24/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84807
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-07R-0904 NLS ID: 351690**
Ref. Line 1 COC 72164 NS-GW-MW-07R-0904 Matrix: GW
Collected: 09/29/04 13:15 Received: 09/30/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, tot. as V by ICP-Trace | 15 | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [1.7] | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 42 | ug/L | 1 | 5.0* | 10 | 10/20/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/20/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 10/12/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 10/12/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 10/13/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 10/13/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 10/07/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 10/01/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 10/12/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 84807
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel Ashland 25688375

**NS-GW-MW-07A-0904 NLS ID: 351691**
Ref. Line 2 COC 72164 NS-GW-MW-07A-0904 Matrix: GW
Collected: 09/29/04 13:30 Received: 09/30/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.41 | mg/L | 1 | 0.0042 | 0.015 | 10/20/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 10/20/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/25/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/25/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/26/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/26/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 280 | ug/L | 1 | 2.5* | 5.0 | 10/20/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 340 | ug/L | 1 | 2.5* | 5.0 | 10/20/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | [0.18] | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 40 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 47 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 09/30/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 10/26/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [1.0] | ug/L | 1 | 0.51 | 1.8 | 10/20/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 10/20/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/20/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/20/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 10/07/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 0.65 | mg/L | 1 | 0.033 | 0.10 | 10/26/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | [0.092] | mg/L | 1 | 0.033 | 0.10 | 10/20/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | [2.3] | ug/L | 1 | 0.87 | 3.0 | 10/20/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [2.9] | ug/L | 1 | 0.87 | 3.0 | 10/20/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 16 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 19 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 66 | ug/L | 1 | 1.0* | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 67 | ug/L | 1 | 1.0* | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 10/06/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 10/06/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.9 | mg/L | 1 | 0.53 | 1.9 | 10/19/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 4.4 | mg/L | 1 | 0.53 | 1.9 | 10/19/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/27/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/27/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 22 | mg/L | 1 | 0.012 | 0.044 | 10/19/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 20 | mg/L | 1 | 0.012 | 0.044 | 10/19/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/24/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/24/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84807
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-07A-0904 NLS ID: 351691**
Ref. Line 2 COC 72164 NS-GW-MW-07A-0904 Matrix: GW
Collected: 09/29/04 13:30 Received: 09/30/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, tot. as V by ICP-Trace | [0.95] | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 10 | ug/L | 1 | 5.0* | 10 | 10/20/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/20/04 | SW846 6010 | 721026460 |
| Meta s digestion - total, water ICP | yes | | | | | 10/12/04 | SW846 3010 | 721026460 |
| Meta s digestion - total, water GF | yes | | | | | 10/12/04 | SW846 3020 | 721026460 |
| Meta s digestion - dissolved ICP | yes | | | | | 10/13/04 | SW846 3005 | 721026460 |
| Meta s digestion - dissolved Furnace | yes | | | | | 10/13/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 10/07/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 10/01/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 10/12/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 84807
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel Ashland 25688375

**NS-GW-MW-07B-0904 NLS ID: 351692**
Ref. Line 3 COC 72164 NS-GW-MW-07B-0904 Matrix: GW
Collected: 09/29/04 13:50 Received: 09/30/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 43 | mg/L | 1 | 0.0042 | 0.015 | 10/20/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 10/20/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/25/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/25/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/26/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [4.8] | ug/L | 1 | 2.6 | 9.0 | 10/26/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 370 | ug/L | 1 | 2.5* | 5.0 | 10/20/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 65 | ug/L | 1 | 2.5* | 5.0 | 10/20/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | 0.85 | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 40 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 19 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 09/30/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 53 | ug/L | 1 | 3.6* | | 10/26/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 53 | ug/L | 1 | 0.51 | 1.8 | 10/20/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 10/20/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 22 | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 81 | ug/L | 1 | 1.3 | 4.0 | 10/20/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/20/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 10/07/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 34 | mg/L | 1 | 0.033 | 0.10 | 10/26/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 10/20/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 7.4 | ug/L | 1 | 0.87 | 3.0 | 10/20/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [1.8] | ug/L | 1 | 0.87 | 3.0 | 10/20/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 31 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 7.3 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 690 | ug/L | 1 | 1.0* | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 42 | ug/L | 1 | 1.0* | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 10/06/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 10/06/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 50 | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 3.6 | mg/L | 1 | 0.53 | 1.9 | 10/19/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 13 | mg/L | 1 | 0.53 | 1.9 | 10/19/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/27/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/27/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 16 | mg/L | 1 | 0.012 | 0.044 | 10/19/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 17 | mg/L | 1 | 0.012 | 0.044 | 10/19/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/24/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/24/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84807
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-07B-0904 NLS ID: 351692**
Ref. Line 3 COC 72164 NS-GW-MW-07B-0904 Matrix: GW
Collected: 09/29/04 13:50 Received: 09/30/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, tot. as V by ICP-Trace | 87 | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [0.83] | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 110 | ug/L | 1 | 5.0* | 10 | 10/20/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/20/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 10/12/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 10/12/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 10/13/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 10/13/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 10/07/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 10/01/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 10/12/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84807
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-WP-AW-01-MS/MSD-0904 NLS ID: 351693**
Ref. Line 4 COC 72164 NS-WP-AW-01-MS/MSD-0904 Matrix: GW
Collected: 09/29/04 14:15 Received: 09/30/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.020 | mg/L | 1 | 0.0042 | 0.015 | 10/20/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 10/20/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/25/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/25/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/26/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/26/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 78 | ug/L | 1 | 2.5* | 5.0 | 10/20/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 78 | ug/L | 1 | 2.5* | 5.0 | 10/20/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 18 | mg/L | 2 | 0.30* | 0.60 | 10/26/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 22 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 5.2 | ug/L | 1 | 3.6* | | 09/30/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | ug/L | | 3.6* | | 10/26/04 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | |
| Chromium, tot. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 10/20/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 10/20/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 2 | 1.3 | 4.0 | 10/26/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/20/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/20/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 10/07/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | ND | mg/L | 2 | 0.066 | 0.20 | 10/26/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 10/20/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/20/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [1.3] | ug/L | 1 | 0.87 | 3.0 | 10/20/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 7.1 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 7.0 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 33 | ug/L | 1 | 1.0* | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 31 | ug/L | 1 | 1.0* | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 10/06/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 10/06/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 3.4 | mg/L | 1 | 0.53 | 1.9 | 10/19/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 3.3 | mg/L | 1 | 0.53 | 1.9 | 10/19/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/27/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/27/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 17 | mg/L | 1 | 0.012 | 0.044 | 10/19/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 17 | mg/L | 1 | 0.012 | 0.044 | 10/19/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/24/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84807
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-WP-AW-01-MS/MSD-0904 NLS ID: 351693**
Ref. Line 4 COC 72164 NS-WP-AW-01-MS, MSD-0904 Matrix: GW
Collected: 09/29/04 14:15 Received: 09/30/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/24/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 20 | ug/L | 1 | 5.0* | 10 | 10/20/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/20/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 10/12/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 10/12/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 10/13/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 10/13/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 10/07/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 10/01/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 10/12/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84807
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-WP-AW-02-0904 NLS ID: 351694**
Ref. Line 6 COC 72164 NS-WP-AW-02-0904 Matrix: GW
Collected: 09/29/04 13:40 Received: 09/30/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 10/20/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 10/20/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/25/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/25/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/26/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/26/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 81 | ug/L | 1 | 2.5* | 5.0 | 10/20/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 83 | ug/L | 1 | 2.5* | 5.0 | 10/20/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | [0.20] | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | [0.45] | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 22 | mg/L | 1 | 0.15* | 0.30 | 10/26/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 22 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 09/30/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 10/26/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [0.53] | ug/L | 1 | 0.51 | 1.8 | 10/20/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 10/20/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/20/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/20/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 10/07/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 10/26/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 10/20/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 3.9 | ug/L | 1 | 0.87 | 3.0 | 10/20/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [2.2] | ug/L | 1 | 0.87 | 3.0 | 10/20/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 6.7 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 6.8 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 43 | ug/L | 1 | 1.0* | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 42 | ug/L | 1 | 1.0* | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 10/06/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 10/06/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 2.8 | mg/L | 1 | 0.53 | 1.9 | 10/19/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 2.5 | mg/L | 1 | 0.53 | 1.9 | 10/19/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/27/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/27/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | [0.85] | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 13 | mg/L | 1 | 0.012 | 0.044 | 10/19/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 13 | mg/L | 1 | 0.012 | 0.044 | 10/19/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/24/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/24/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84807
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-WP-AW-02-0904 NLS ID: 351694**
Ref. Line 6 COC 72164 NS-WP-AW-02-0904 Matrix: GW
Collected: 09/29/04 13:40 Received: 09/30/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, tot. as V by ICP-Trace | [1.3] | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/20/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/20/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 10/12/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 10/12/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 10/13/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 10/13/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 10/07/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 10/01/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 10/12/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 84807
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-WQ-Dup7-0904 NLS ID: 351695**
Ref. Line 7 COC 72164 NS-WQ-Dup7-0904 Matrix: GW
Collected: 09/29/04 00:00 Received: 09/30/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.45 | mg/L | 1 | 0.0042 | 0.015 | 10/20/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 10/20/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/25/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/25/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/26/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/26/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 300 | ug/L | 1 | 2.5* | 5.0 | 10/20/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 340 | ug/L | 1 | 2.5* | 5.0 | 10/20/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/20/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 44 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 47 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 09/30/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 10/26/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [1.1] | ug/L | 1 | 0.51 | 1.8 | 10/20/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 10/20/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | [1.8] | ug/L | 1 | 1.3 | 4.0 | 10/20/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/20/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 10/07/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 0.68 | mg/L | 1 | 0.033 | 0.10 | 10/26/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | [0.090] | mg/L | 1 | 0.033 | 0.10 | 10/20/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | [1.6] | ug/L | 1 | 0.87 | 3.0 | 10/20/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [2.2] | ug/L | 1 | 0.87 | 3.0 | 10/20/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 17 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 19 | mg/L | 1 | 0.15* | 0.30 | 10/20/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 71 | ug/L | 1 | 1.0* | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 68 | ug/L | 1 | 1.0* | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 10/06/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 10/06/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.8 | mg/L | 1 | 0.53 | 1.9 | 10/19/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 4.5 | mg/L | 1 | 0.53 | 1.9 | 10/19/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/27/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/27/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 22 | mg/L | 1 | 0.012 | 0.044 | 10/19/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 21 | mg/L | 1 | 0.012 | 0.044 | 10/19/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/24/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/24/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84807
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-WQ-Dup7-0904 NLS ID: 351695**
Ref. Line 7 COC 72164 NS-WQ-Dup7-0904 Matrix: GW
Collected: 09/29/04 00:00 Received: 09/30/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, tot. as V by ICP-Trace | [1.1] | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/20/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 10 | ug/L | 1 | 5.0* | 10 | 10/20/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/20/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 10/12/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 10/12/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 10/13/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 10/13/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 10/07/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 10/01/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 10/12/04 | SW846 8270C | 721026460 |

**NS-WQ-Trip Blank8-0904 NLS ID: 351696**
Ref. Line 8 COC 72164 NS-WQ-Trip Blank8-0904 Matrix: TB
Collected: 09/29/04 00:00 Received: 09/30/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 10/07/04 | SW846 8260 | 721026460 |

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84836**

**Project Description: Xcel Ashland 25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 11/08/2004 15:46**

**Sample: 351799** **NS-GW-MW-10-0904** **Collected: 09/30/04** **Analyzed: 10/11/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | [0.30] | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 97% | | | | |
| Toluene-d8 (SURR**) | 102% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

**Sample: 351800** **NS-GW-MW-10A-0904** **Collected: 09/30/04** **Analyzed: 10/11/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 0.39 | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | [0.20] | ug/L | 1 | 0.14 | 0.47 |
| Toluene | 1.1 | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 95% | | | | |
| Toluene-d8 (SURR**) | 100% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 97% | | | | |

**Sample: 351801** **NS-GW-MW-20A-0904** **Collected: 09/30/04** **Analyzed: 10/11/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | ND | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 94% | | | | |
| Toluene-d8 (SURR**) | 96% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 96% | | | | |

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84836**
**Project Description: Xcel Ashland 25688375**
**Project Title:** **Template: SAT2NSP** **Printed: 11/08/2004 15:46**

**Sample: 351802** **NS-GW-MW-21A-0904** **Collected: 09/30/04** **Analyzed: 10/11/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 17000 | ug/L | 2000 | 230 | 770 |
| sec-Butylbenzene | ND | ug/L | 2000 | 310 | 1000 |
| Ethylbenzene | [630] | ug/L | 2000 | 280 | 940 |
| ortho-Xylene | 1700 | ug/L | 2000 | 270 | 890 |
| Styrene | 4600 | ug/L | 2000 | 280 | 940 |
| Toluene | 17000 | ug/L | 2000 | 410 | 1500 |
| 1,2,4-Trimethylbenzene | [490] | ug/L | 2000 | 290 | 960 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 2000 | 240 | 810 |
| meta,para-Xylene | 3200 | ug/L | 2000 | 520 | 1800 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 2000 | 410 | 1400 |
| Dibromofluoromethane (SURR**) | 98% | | | | |
| Toluene-d8 (SURR**) | 98% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

**Sample: 351803** **NS-GW-MW-21B-0904** **Collected: 09/30/04** **Analyzed: 10/11/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 50 | ug/L | 5 | 0.58 | 1.9 |
| sec-Butylbenzene | ND | ug/L | 5 | 0.79 | 2.6 |
| Ethylbenzene | [1.1] | ug/L | 5 | 0.71 | 2.3 |
| ortho-Xylene | 3.4 | ug/L | 5 | 0.67 | 2.2 |
| Styrene | 5.5 | ug/L | 5 | 0.70 | 2.3 |
| Toluene | 12 | ug/L | 5 | 1.0 | 3.9 |
| 1,2,4-Trimethylbenzene | 4.2 | ug/L | 5 | 0.72 | 2.4 |
| 1,3,5-Trimethylbenzene | [1.4] | ug/L | 5 | 0.61 | 2.0 |
| meta,para-Xylene | 5.7 | ug/L | 5 | 1.3 | 4.4 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 5 | 1.0 | 3.4 |
| Dibromofluoromethane (SURR**) | 92% | | | | |
| Toluene-d8 (SURR**) | 97% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 98% | | | | |

**Sample: 351804** **NS-WQ-Trip Blank9-0904** **Collected: 09/30/04** **Analyzed: 10/11/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | [0.30] | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 98% | | | | |
| Toluene-d8 (SURR**) | 101% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

Customer: URS Corporation (Milwaukee) NLS Project: 84836
Project Description: Xcel Ashland 25688375
Project Title: Template: SAT2NSP Printed: 11/08/2004 15:46

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84836**

**Project Description: Xcel Ashland 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 11/08/2004 15:46**

**Sample: 351799** **NS-GW-MW-10-0904** **Collected: 09/30/04** **Analyzed: 10/12/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 2 | 3.0 | 10 |
| Acenaphthylene | ND | ug/L | 2 | 3.4 | 11 |
| Anthracene | ND | ug/L | 2 | 2.7 | 9.0 |
| Benzo[a]anthracene | ND | ug/L | 2 | 2.8 | 9.2 |
| Benzo[a]pyrene | ND | ug/L | 2 | 2.8 | 9.2 |
| Benzo[b]fluoranthene | ND | ug/L | 2 | 2.5 | 8.4 |
| Benzo[g,h,i]perylene | ND | ug/L | 2 | 2.7 | 9.0 |
| Benzo[k]fluoranthene | ND | ug/L | 2 | 3.4 | 11 |
| Chrysene | ND | ug/L | 2 | 2.8 | 9.3 |
| Dibenzo[a,h]anthracene | ND | ug/L | 2 | 2.6 | 8.8 |
| Dibenzofuran | ND | ug/L | 2 | 3.1 | 10 |
| Fluoranthene | ND | ug/L | 2 | 2.9 | 9.5 |
| Fluorene | ND | ug/L | 2 | 3.4 | 11 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 2 | 3.1 | 10 |
| 1-Methylnaphthalene | ND | ug/L | 2 | 3.2 | 11 |
| *2-Methylnaphthalene* | *ND* | *ug/L* | *2* | *3.1* | *10* |
| 2-Methylphenol | ND | ug/L | 2 | 2.2 | 8.2 |
| 3 & 4-Methylphenol | ND | ug/L | 2 | 2.5 | 8.4 |
| Naphthalene | ND | ug/L | 2 | 3.3 | 11 |
| Phenanthrene | ND | ug/L | 2 | 2.9 | 9.5 |
| Phenol | ND | ug/L | 2 | 1.0 | 3.4 |
| Pyrene | ND | ug/L | 2 | 2.9 | 9.6 |
| Benzo[e]pyrene | ND | ug/L | 2 | 2.2 | 7.4 |
| 2-Fluorophenol (SURR**) | 36% | | | | |
| Phenol-d5 (SURR**) | 26% | | | | |
| Nitrobenzene-d5 (SURR**) | 88% | | | | |
| 2-Fluorobiphenyl (SURR**) | 88% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 92% | | | | |
| Terphenyl-d14 (SURR**) | 92% | | | | |

Diluted due to sample matrix.

Matrix spike duplicate recoveries for Phenol and Naphthalene were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84836**
**Project Description: Xcel Ashland 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 11/08/2004 15:46**

**Sample: 351800** **NS-GW-MW-10A-0904** **Collected: 09/30/04** **Analyzed: 10/12/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 37% | | | | |
| Phenol-d5 (SURR**) | 25% | | | | |
| Nitrobenzene-d5 (SURR**) | 81% | | | | |
| 2-Fluorobiphenyl (SURR**) | 75% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 91% | | | | |
| Terphenyl-d14 (SURR**) | 79% | | | | |

Matrix spike duplicate recoveries for Phenol and Naphthalene were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84836**
**Project Description: Xcel Ashland 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 11/08/2004 15:46**

**Sample: 351801** **NS-GW-MW-20A-0904** **Collected: 09/30/04** **Analyzed: 10/12/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 34% | | | | |
| Phenol-d5 (SURR**) | 23% | | | | |
| Nitrobenzene-d5 (SURR**) | 80% | | | | |
| 2-Fluorobiphenyl (SURR**) | 74% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 87% | | | | |
| Terphenyl-d14 (SURR**) | 78% | | | | |

Matrix spike duplicate recoveries for Phenol and Naphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84836**

**Project Description: Xcel Ashland 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 11/08/2004 15:46**

**Sample: 351802** **NS-GW-MW-21A-0904** **Collected: 09/30/04** **Analyzed: 10/12/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 300 | 1000 |
| Acenaphthylene | [360] | ug/L | 200 | 340 | 1100 |
| Anthracene | ND | ug/L | 200 | 270 | 900 |
| Benzo[a]anthracene | ND | ug/L | 200 | 280 | 920 |
| Benzo[a]pyrene | ND | ug/L | 200 | 280 | 920 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 250 | 840 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 270 | 900 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 340 | 1100 |
| Chrysene | ND | ug/L | 200 | 280 | 930 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 260 | 880 |
| Dibenzofuran | ND | ug/L | 200 | 310 | 1000 |
| Fluoranthene | ND | ug/L | 200 | 290 | 950 |
| Fluorene | ND | ug/L | 200 | 340 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 310 | 1000 |
| 1-Methylnaphthalene | [840] | ug/L | 200 | 320 | 1100 |
| 2-Methylnaphthalene | 1200 | ug/L | 200 | 310 | 1000 |
| 2-Methylphenol | ND | ug/L | 200 | 220 | 820 |
| 3 & 4-Methylphenol | [320] | ug/L | 200 | 250 | 840 |
| Naphthalene | 6700 | ug/L | 200 | 330 | 1100 |
| Phenanthrene | ND | ug/L | 200 | 290 | 950 |
| Phenol | ND | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 290 | 960 |
| Benzo[e]pyrene | ND | ug/L | 200 | 220 | 740 |
| 2-Fluorophenol (SURR**) | 49% | | | | |
| Phenol-d5 (SURR**) | 33% | | | | |
| Nitrobenzene-d5 (SURR**) | 83% | | | | |
| 2-Fluorobiphenyl (SURR**) | 109% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 118% | | | | |
| Terphenyl-d14 (SURR**) | 108% | | | | |

Laboratory control and laboratory control spike duplicate percent difference exceeded control limits for 3&4-Methylphenol.

Matrix spike duplicate recoveries for Phenol and Naphthalene were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 84836**
**Project Description: Xcel Ashland 25688375**
**Project Title:** **Template: 8270WNSP Printed: 11/08/2004 15:46**

**Sample: 351803 NS-GW-MW-2 B-0904** **Collected: 09/30/04** **Analyzed: 10/12/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 2 | 3.0 | 10 |
| Acenaphthylene | 13 | ug/L | 2 | 3.4 | 11 |
| Anthracene | [4.9] | ug/L | 2 | 2.7 | 9.0 |
| Benzo[a]anthracene | ND | ug/L | 2 | 2.8 | 9.2 |
| Benzo[a]pyrene | ND | ug/L | 2 | 2.8 | 9.2 |
| Benzo[b]fluoranthene | ND | ug/L | 2 | 2.5 | 8.4 |
| Benzo[g,h,i]perylene | ND | ug/L | 2 | 2.7 | 9.0 |
| Benzo[k]fluoranthene | ND | ug/L | 2 | 3.4 | 11 |
| Chrysene | ND | ug/L | 2 | 2.8 | 9.3 |
| Dibenzo[a,h]anthracene | ND | ug/L | 2 | 2.6 | 8.8 |
| Dibenzofuran | ND | ug/L | 2 | 3.1 | 10 |
| Fluoranthene | ND | ug/L | 2 | 2.9 | 9.5 |
| Fluorene | 13 | ug/L | 2 | 3.4 | 11 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 2 | 3.1 | 10 |
| 1-Methylnaphthalene | 28 | ug/L | 2 | 3.2 | 11 |
| 2-Methylnaphthalene | 20 | ug/L | 2 | 3.1 | 10 |
| 2-Methylphenol | ND | ug/L | 2 | 2.2 | 8.2 |
| 3 & 4-Methylphenol | ND | ug/L | 2 | 2.5 | 8.4 |
| Naphthalene | [5.9] | ug/L | 2 | 3.3 | 11 |
| Phenanthrene | 15 | ug/L | 2 | 2.9 | 9.5 |
| Phenol | ND | ug/L | 2 | 1.0 | 3.4 |
| Pyrene | ND | ug/L | 2 | 2.9 | 9.6 |
| Benzo[e]pyrene | ND | ug/L | 2 | 2.2 | 7.4 |
| 2-Fluorophenol (SURR**) | 37% | | | | |
| Phenol-d5 (SURR**) | 25% | | | | |
| Nitrobenzene-d5 (SURR**) | 82% | | | | |
| 2-Fluorobiphenyl (SURR**) | 85% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 105% | | | | |
| Terphenyl-d14 (SURR**) | 94% | | | | |

Matrix spike duplicate recoveries for Phenol and Naphthalene were below QC limits.

** Surrogates are used to evaluate a method's Quality Control.

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Ben Nelson**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 84836**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel Ashland 25688375**

**NS-GW-MW-10-0904 NLS ID: 351799**
Ref. Line 1 COC 72163 NS-GW-MW-10-0904 Matrix: GW
Collected: 09/30/04 08:15 Received: 09/30/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 3.2 | mg/L | 1 | 0.0042 | 0.015 | 10/26/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | 0.027 | mg/L | 1 | 0.0042 | 0.015 | 10/26/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/26/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/26/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/26/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/26/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 320 | ug/L | 1 | 2.5* | 5.0 | 10/26/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 270 | ug/L | 1 | 2.5* | 5.0 | 10/26/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 11/04/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/28/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | [0.18] | ug/L | 1 | 0.17 | 0.50 | 10/26/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/26/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 200 | mg/L | 1 | 0.15* | 0.30 | 10/26/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 180 | mg/L | 1 | 0.15* | 0.30 | 10/26/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 7.7 | ug/L | 1 | 3.6* | | 09/30/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | ug/L | | 3.6* | | 10/27/04 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | |
| Chromium, tot. as Cr by ICP-Trace | 6.1 | ug/L | 1 | 0.51 | 1.8 | 10/26/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [1.6] | ug/L | 1 | 0.51 | 1.8 | 10/26/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 2.8 | ug/L | 1 | 0.67 | 2.0 | 10/26/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | [1.0] | ug/L | 1 | 0.67 | 2.0 | 10/26/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 13 | ug/L | 1 | 1.3 | 4.0 | 11/04/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | [3.5] | ug/L | 1 | 1.3 | 4.0 | 10/26/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 10/07/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 3.0 | mg/L | 1 | 0.033 | 0.10 | 10/26/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | [0.042] | mg/L | 1 | 0.033 | 0.10 | 10/26/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 4.6 | ug/L | 1 | 0.87 | 3.0 | 10/26/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [1.5] | ug/L | 1 | 0.87 | 3.0 | 10/26/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 110 | mg/L | 1 | 0.15* | 0.30 | 10/26/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 97 | mg/L | 1 | 0.15* | 0.30 | 10/26/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 190 | ug/L | 1 | 1.0* | 2.0 | 10/26/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 83 | ug/L | 1 | 1.0* | 2.0 | 10/26/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 10/06/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 10/06/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 6.0 | ug/L | 1 | 0.67 | 2.0 | 10/26/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 2.3 | ug/L | 1 | 0.67 | 2.0 | 10/26/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 2.6 | mg/L | 1 | 0.53 | 1.9 | 10/19/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 3.5 | mg/L | 1 | 0.53 | 1.9 | 10/19/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/27/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/27/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/26/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/26/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 66 | mg/L | 1 | 0.012 | 0.044 | 10/19/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 75 | mg/L | 1 | 0.012 | 0.044 | 10/19/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/25/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 84836
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-10-0904 NLS ID: 351799**
Ref. Line 1 COC 72163 NS-GW-MW-10-0904 Matrix: GW
Collected: 09/30/04 08:15 Received: 09/30/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/25/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 11 | ug/L | 1 | 0.67 | 2.0 | 10/26/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 2.8 | ug/L | 1 | 0.67 | 2.0 | 10/26/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 23 | ug/L | 1 | 5.0* | 10 | 10/28/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [7.7] | ug/L | 1 | 5.0* | 10 | 10/28/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 10/12/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 10/12/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 10/13/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 10/13/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 10/11/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 10/01/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 10/12/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84836
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-10A-0904 NLS ID: 351800**
Ref. Line 2 COC 72163 NS-GW-MW-10A-0904 Matrix: GW
Collected: 09/30/04 08:30 Received: 09/30/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.044 | mg/L | 1 | 0.0042 | 0.015 | 10/26/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0050] | mg/L | 1 | 0.0042 | 0.015 | 10/26/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/26/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/26/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [4.0] | ug/L | 1 | 2.6 | 9.0 | 10/26/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [4.6] | ug/L | 1 | 2.6 | 9.0 | 10/26/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 190 | ug/L | 1 | 2.5* | 5.0 | 10/26/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 180 | ug/L | 1 | 2.5* | 5.0 | 10/26/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 11/04/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/28/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/26/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/26/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 110 | mg/L | 1 | 0.15* | 0.30 | 10/26/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 110 | mg/L | 1 | 0.15* | 0.30 | 10/26/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 09/30/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 10/27/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 10/26/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.73] | ug/L | 1 | 0.51 | 1.8 | 10/26/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/26/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/26/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | [1.4] | ug/L | 1 | 1.3 | 4.0 | 11/04/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/26/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 10/07/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 0.14 | mg/L | 1 | 0.033 | 0.10 | 10/26/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 10/26/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | [2.7] | ug/L | 1 | 0.87 | 3.0 | 10/26/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [1.3] | ug/L | 1 | 0.87 | 3.0 | 10/26/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 61 | mg/L | 1 | 0.15* | 0.30 | 10/26/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 59 | mg/L | 1 | 0.15* | 0.30 | 10/26/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 180 | ug/L | 1 | 1.0* | 2.0 | 10/26/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 130 | ug/L | 1 | 1.0* | 2.0 | 10/26/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 10/06/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 10/06/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/26/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/26/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 7.6 | mg/L | 1 | 0.53 | 1.9 | 10/19/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 7.6 | mg/L | 1 | 0.53 | 1.9 | 10/19/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/27/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/27/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/26/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/26/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 31 | mg/L | 1 | 0.012 | 0.044 | 10/19/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 30 | mg/L | 1 | 0.012 | 0.044 | 10/19/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/25/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/25/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84836
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-10A-0904 NLS ID: 351800**
Ref. Line 2 COC 72163 NS-GW-MW-10A-0904 Matrix: GW
Collected: 09/30/04 08:30 Received: 09/30/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, tot. as V by ICP-Trace | [0.73] | ug/L | 1 | 0.67 | 2.0 | 10/26/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/26/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 15 | ug/L | 1 | 5.0* | 10 | 10/28/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | 20 | ug/L | 1 | 5.0* | 10 | 10/28/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 10/12/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 10/12/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 10/13/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 10/13/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 10/11/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 10/01/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 10/12/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 84836
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel Ashland 25688375

**NS-GW-MW-20A-0904 NLS ID: 351801**
Ref. Line 4 COC 72163 NS-GW-MW-20A-0904 Matrix: GW
Collected: 09/30/04 09:00 Received: 09/30/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.69 | mg/L | 1 | 0.0042 | 0.015 | 10/26/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0050] | mg/L | 1 | 0.0042 | 0.015 | 10/26/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/26/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/26/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/26/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/26/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 230 | ug/L | 1 | 2.5* | 5.0 | 10/26/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 210 | ug/L | 1 | 2.5* | 5.0 | 10/26/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 11/04/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/28/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/26/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/26/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 130 | mg/L | 1 | 0.15* | 0.30 | 10/26/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 120 | mg/L | 1 | 0.15* | 0.30 | 10/26/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 09/30/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 10/27/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 1.9 | ug/L | 1 | 0.51 | 1.8 | 10/26/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.75] | ug/L | 1 | 0.51 | 1.8 | 10/26/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | [1.7] | ug/L | 1 | 0.67 | 2.0 | 10/26/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/26/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 7.1 | ug/L | 1 | 1.3 | 4.0 | 11/04/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/26/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 10/07/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 0.78 | mg/L | 1 | 0.033 | 0.10 | 10/26/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 10/26/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | [2.6] | ug/L | 1 | 0.87 | 3.0 | 10/26/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/26/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 83 | mg/L | 1 | 0.15* | 0.30 | 10/26/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 80 | mg/L | 1 | 0.15* | 0.30 | 10/26/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 350 | ug/L | 1 | 1.0* | 2.0 | 10/26/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 130 | ug/L | 1 | 1.0* | 2.0 | 10/26/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 10/06/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 10/06/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 5.9 | ug/L | 1 | 0.67 | 2.0 | 10/26/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 2.1 | ug/L | 1 | 0.67 | 2.0 | 10/26/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 7.6 | mg/L | 1 | 0.53 | 1.9 | 10/19/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 8.0 | mg/L | 1 | 0.53 | 1.9 | 10/19/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/27/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/27/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/26/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/26/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 47 | mg/L | 1 | 0.012 | 0.044 | 10/19/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 46 | mg/L | 1 | 0.012 | 0.044 | 10/19/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/25/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/25/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84836
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-20A-0904 NLS ID: 351301**
Ref. Line 4 COC 72163 NS-GW-MW-20A-0904 Matrix: GW
Collected: 09/30/04 09:00 Received: 09/30/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, tot. as V by ICP-Trace | 7.7 | ug/L | 1 | 0.67 | 2.0 | 10/26/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 5.0 | ug/L | 1 | 0.67 | 2.0 | 10/26/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 14 | ug/L | 1 | 5.0* | 10 | 10/28/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/28/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 10/12/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 10/12/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 10/13/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 10/13/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 10/11/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 10/01/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 10/12/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 84836
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-21A-0904 NLS ID: 351802**
Ref. Line 5 COC 72163 NS-GW-MW-21A-0904 Matrix: GW
Collected: 09/30/04 09:15 Received: 09/30/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.31 | mg/L | 1 | 0.0042 | 0.015 | 10/26/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 10/26/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/26/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/26/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [3.4] | ug/L | 1 | 2.6 | 9.0 | 10/26/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [3.8] | ug/L | 1 | 2.6 | 9.0 | 10/26/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 520 | ug/L | 1 | 2.5* | 5.0 | 10/26/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 480 | ug/L | 1 | 2.5* | 5.0 | 10/26/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 11/04/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/28/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/26/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/26/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 120 | mg/L | 1 | 0.15* | 0.30 | 10/26/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 110 | mg/L | 1 | 0.15* | 0.30 | 10/26/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 5.2 | ug/L | 1 | 3.6* | | 09/30/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | ug/L | | 3.6* | | 10/27/04 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | |
| Chromium, tot. as Cr by ICP-Trace | [0.93] | ug/L | 1 | 0.51 | 1.8 | 10/26/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 10/26/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/26/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/26/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | [3.1] | ug/L | 1 | 1.3 | 4.0 | 11/04/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/26/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.0050] | mg/L | 1 | 0.0050 | 0.015 | 10/07/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 2.3 | mg/L | 1 | 0.033 | 0.10 | 10/26/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 1.6 | mg/L | 1 | 0.033 | 0.10 | 10/26/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | [2.3] | ug/L | 1 | 0.87 | 3.0 | 10/26/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 10/26/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 67 | mg/L | 1 | 0.15* | 0.30 | 10/26/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 62 | mg/L | 1 | 0.15* | 0.30 | 10/26/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 570 | ug/L | 1 | 1.0* | 2.0 | 10/26/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 530 | ug/L | 1 | 1.0* | 2.0 | 10/26/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 10/06/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 10/06/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 2.1 | ug/L | 1 | 0.67 | 2.0 | 10/26/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.4] | ug/L | 1 | 0.67 | 2.0 | 10/26/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 8.7 | mg/L | 1 | 0.53 | 1.9 | 10/19/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 8.7 | mg/L | 1 | 0.53 | 1.9 | 10/19/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/27/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/27/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/26/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/26/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 35 | mg/L | 1 | 0.012 | 0.044 | 10/19/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 35 | mg/L | 1 | 0.012 | 0.044 | 10/19/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/25/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84836
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-21A-0904 NLS ID: 351302**
Ref. Line 5 COC 72163 NS-GW-MW-21A-0904 Matrix: GW
Collected: 09/30/04 09:15 Received: 09/30/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/25/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | [1.4] | ug/L | 1 | 0.67 | 2.0 | 10/26/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/26/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 11 | ug/L | 1 | 5.0* | 10 | 10/28/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | 10 | ug/L | 1 | 5.0* | 10 | 10/28/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 10/12/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 10/12/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 10/13/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 10/13/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 10/11/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 10/01/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 10/12/04 | SW846 8270C | 721026460 |

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400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84836
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-21B-0904 NLS ID: 351803**
Ref. Line 6 COC 72163 NS-GW-MW-21B-0904 Matrix: GW
Collected: 09/30/04 09:30 Received: 09/30/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 1.1 | mg/L | 1 | 0.0042 | 0.015 | 10/26/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 10/26/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/26/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 10/26/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/26/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 10/26/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 83 | ug/L | 1 | 2.5* | 5.0 | 10/26/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 74 | ug/L | 1 | 2.5* | 5.0 | 10/26/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 11/04/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/28/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/26/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 10/26/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 41 | mg/L | 1 | 0.15* | 0.30 | 10/26/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 40 | mg/L | 1 | 0.15* | 0.30 | 10/26/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 09/30/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 10/27/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [1.7] | ug/L | 1 | 0.51 | 1.8 | 10/26/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 10/26/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/26/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/26/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 4.7 | ug/L | 1 | 1.3 | 4.0 | 11/04/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 10/26/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 10/07/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 0.84 | mg/L | 1 | 0.033 | 0.10 | 10/26/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 10/26/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | [1.9] | ug/L | 1 | 0.87 | 3.0 | 10/26/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [0.92] | ug/L | 1 | 0.87 | 3.0 | 10/26/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 15 | mg/L | 1 | 0.15* | 0.30 | 10/26/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 15 | mg/L | 1 | 0.15* | 0.30 | 10/26/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 100 | ug/L | 1 | 1.0* | 2.0 | 10/26/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 85 | ug/L | 1 | 1.0* | 2.0 | 10/26/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 10/06/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 10/06/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | [1.6] | ug/L | 1 | 0.67 | 2.0 | 10/26/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/26/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 9.8 | mg/L | 2 | 1.1 | 3.8 | 10/19/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 4.9 | mg/L | 2 | 1.1 | 3.8 | 10/19/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/27/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 10/27/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/26/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 10/26/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 78 | mg/L | 2 | 0.024 | 0.088 | 10/19/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 79 | mg/L | 2 | 0.024 | 0.088 | 10/19/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/25/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 10/25/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 84836
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel Ashland 25688375

**NS-GW-MW-21B-0904 NLS ID: 351803**
Ref. Line 6 COC 72163 NS-GW-MW-21B-0904 Matrix: GW
Collected: 09/30/04 09:30 Received: 09/30/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, tot. as V by ICP-Trace | 10 | ug/L | 1 | 0.67 | 2.0 | 10/26/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 8.4 | ug/L | 1 | 0.67 | 2.0 | 10/26/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | [8.7] | ug/L | 1 | 5.0* | 10 | 10/28/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 10/28/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 10/12/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 10/12/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 10/13/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 10/13/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 10/11/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 10/01/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 10/12/04 | SW846 8270C | 721026460 |

**NS-WQ-Trip Blank9-0904 NLS ID: 351804**
Ref. Line 7 COC 72163 NS-WQ-Trip Blank9-0904 Matrix: TB
Collected: 09/30/04 00:00 Received: 09/30/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 10/11/04 | SW846 8260 | 721026460 |

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation" LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD


**NORTHERN LAKE SERVICE, INC.**

*Analytical Laboratory and Environmental Services*

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

*Wisconsin Lab Cert. No. 721026460*

*WI DATCP 105-000330*


NO. 72154

| | |
|---|---|
| CLIENT | NLS |
| ADDRESS | 1500 Innovation Dr. Ste 500 |
| CITY / STATE / ZIP | Howard / WI / 54313 |
| PROJECT DESCRIPTION / NO. | NLS Ashland 2368835 |
| QUOTATION NO. | |
| DNR FID # | |
| DNR LICENSE # | |
| CONTACT | Ben Nielson |
| PHONE | 414/831-4132 |
| PURCHASE ORDER NO. | |
| FAX | 414/831-4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS

| ITEM NO. | NLS LAB NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | VOC 8260 | Diss. 8270 SIM | TCL Extended 8270 SIM | TAL Metals Diss. | TAL Metals | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 350577 | NS-GW-MW-13D-0904 | 9/20/04 | 1000 | GW | X | X | X | X | X | Zn, Ni and Diss |
| 2. | 350575 | NS-GW-MW-13D-0904 | | 1015 | | X | X | X | X | X | Metals rush 4d |
| 3. | 350576 | NS-GW-MW-9A-0904 | | 1130 | | X | X | X | X | X | 8/16d 1300 hrs. |
| 4. | 350571 | NS-GW-MW-9B-0904 | | 1220 | | X | X | X | X | X | |
| 5. | 350578 | NS-GW-MW-9D-0904 | | 1145 | | X | X | X | X | X | |
| 6. | 350579 | NS-GW-MW-9C-0904 | | 1210 | | X | X | X | X | X | |
| 7. | 350600 | NS-GW-MW-14-0904 | | 1230 | | X | X | X | X | X | |
| 8. | 350601 | NS-WW-DUP1-0904 | | — | | X | X | X | X | X | |
| 9. | 350602 | NS-WW-TRIPBLANK1-0904 | — | — | DI | X | | | | X | |
| 10. | | | | | | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature) | CUSTODY SEAL NO. (IF ANY) | DATE/TIME 9.20.04 1500 |
| RELINQUISHED BY (signature) | RECEIVED BY (signature) | DATE/TIME |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT: UPS | DATE/TIME |

REPORT TO: Ben Nielson

INVOICE TO: Ben Nielson

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature) | DATE/TIME 9/21/04 9:45 | CONDITION Cool | TEMP. |
| COOLER # 1 | REMARKS & OTHER INFORMATION | | |
| WDNR FACILITY NUMBER | E-MAIL ADDRESS ben.nielson@nlsonline.com | | |

PRESERVATIVE: N = nitric acid; OH = sodium hydroxide; NP = no preservative; Z = zinc acetate; HA = hydrochloric & ascorbic acid; S = sulfuric acid; M = methanol; H = hydrochloric acid

**IMPORTANT:**

1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

DUPLICATE COPY

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD


**NORTHERN LAKE SERVICE, INC.**

*Analytical Laboratory and Environmental Services*

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

*Wisconsin Lab Cert. No. 721026460*

*WI DATCP 105-000330*


NO. 72155

| | |
|---|---|
| CLIENT | NRS |
| ADDRESS | 10200 INNOVATION DR. STE 500 |
| CITY / STATE / ZIP | MILWAUKEE WI 53226 |
| PROJECT DESCRIPTION / NO. | NSP ASHLAND |
| QUOTATION NO. | |
| DNR FID # | |
| DNR LICENSE # | |
| CONTACT | BEN NELSON |
| PHONE | 414/831-4156 |
| PURCHASE ORDER NO. | |
| FAX | 414/831-4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS

| ITEM NO. | NLS LAB NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | VOC 8260B | SVOC 8270C | TOT. METALS | DISS. METALS | NOT. CYANIDE | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | G | G | G | G/F | G/F | |
| 1 | 350147 | NS-GW-MW-168-0904 | 9/2/04 | 0845 | GW | X | X | X | X | X | #8 AND DISSOLVED |
| 2. | 350148 | NS-GW-MW-SB-0904 | | 0950 | | X | X | X | X | X | ALREADY COLLECTED |
| 3. | 350149 | NS-GW-MW-15-0904 | | 1000 | | X | X | X | X | X | AFTER 1300 HRS |
| 4. | 350150 | NS-GW-MW-4-0904 | | 1125 | | X | X | X | X | X | |
| 5. | 350151 | NS-GW-MW-7A-0904 | | 1130 | | X | X | X | X | X | |
| 6. | 350152 | NS-GW-MW-22A-0904 | | 1410 | | X | X | X | X | X | |
| 7. | 350153 | NS-GW-MW-22B-0904 | | 1415 | | X | X | X | X | X | |
| 8. | 350154 | NS-GW-MW-16-0904 | | 1450 | | X | X | X | X | X | |
| 9. | 350155 | NS-WW-TRIP BLANK2-0904 | | — | DI | X | | | | | |
| 10. | | | | | | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature) | CUSTODY SEAL NO. (IF ANY) | DATE/TIME 9-2-04 1530 |
| RELINQUISHED BY (signature) | RECEIVED BY (signature) | DATE/TIME |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT UPS | DATE/TIME |

REPORT TO: BEN NELSON

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature) | DATE/TIME 9/2/04 10:15 | CONDITION Good | TEMP. |
| COOLER # 48-50, 48-130 | REMARKS & OTHER INFORMATION | | |
| | WDNR FACILITY NUMBER | E-MAIL ADDRESS | |

INVOICE TO: BEN NELSON

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

**IMPORTANT:**

1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

DUPLICATE COPY

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

**NORTHERN LAKE SERVICE, INC.**
*Analytical Laboratory and Environmental Services*
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060

1 of 2

*Wisconsin Lab Cert. No. 721026460*
*WI DATCP 105-000330*

| | |
|---|---|
| CLIENT: URS | |
| ADDRESS: 10200 Innovation Dr. Ste. 500 | |
| CITY: Milwaukee WI | STATE: | ZIP: 53226 |
| PROJECT DESCRIPTION / NO.: Xcel Energy Ashland 25638375 | QUOTATION NO.: |
| DNR FID #: | DNR LICENSE #: |
| CONTACT: Ben Nelson | PHONE: 414 831 4156 |
| PURCHASE ORDER NO.: | FAX: 414 831 4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

NO. 72156

| ITEM NO. | NLS LAB NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | ANALYZE PER ORDER OF ANALYSIS | VOC (8260) | SVOC (8270) | Tot. Cyanide | Tot. Metals | Dis. Metals | Hexachrome | | | | | | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 350912 | NS-GW-MW-05-0904 | 9-22-04 | 0905 | GW | | X | X | X | X | X | X | | | | | | Hexachrome & |
| 2. | 350913 | NS-GW-MW-5C-0904 | | 0940 | | | X | X | X | X | X | X | | | | | | Diss. Metals |
| 3. | 350914 | NS-WQ-MW-5C-MS/MSD-0904 | | 0940 | | | X | X | X | X | X | X | | | | | | collected after 1300 |
| 4. | 350915 | NS-GW-MW-5B-0904 | | 0950 | | | X | X | X | X | X | X | | | | | | |
| 5. | 350916 | NS-GW-MW-5A-0904 | | 1005 | | | X | X | X | X | X | X | | | | | | |
| 6. | 350917 | NS-GW-MW-19B-0904 | | 1200 | | | X | X | X | X | X | X | | | | | | |
| 7. | 350918 | NS-GW-MW-19A-0904 | | 1210 | | | X | X | X | X | X | X | | | | | | |
| 8. | 350919 | NS-GW-MW03-0904 | | 1325 | | | X | X | X | X | X | X | | | | | | |
| 9. | 350920 | NS-GW-MW11-0904 | | 1400 | | | X | X | X | X | X | X | | | | | | |
| 10. | 350921 | NS-WQ-DUP2-0904 | | — | | | X | X | X | X | X | X | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature): [signature] | CUSTODY SEAL NO. (IF ANY): | DATE/TIME: 9-22-04 1530 |
| RELINQUISHED BY (signature): [signature] | RECEIVED BY (signature): | DATE/TIME: |
| DISPATCHED BY (signature): | METHOD OF TRANSPORT: UPS | DATE/TIME: |

REPORT TO: Ben Nelson

INVOICE TO: Ben Nelson

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature): [signature] | DATE/TIME: 9/23/04 10:15 | CONDITION: Anaci | TEMP.: |
| COOLER #: 48-144, 48-65, 48-83 | REMARKS & OTHER INFORMATION: | | |
| | WDNR FACILITY NUMBER: | E-MAIL ADDRESS: | |

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

**IMPORTANT:**
1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE STANDARD TERMS & CONDITIONS ON REVERSE.

DUPLICATE COPY

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

Wisconsin Lab Cert. No. 721026460
WI DATCP 105-000330

**NORTHERN LAKE SERVICE, INC.**
Analytical Laboratory and Environmental Services
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060

2 of 2

| | |
|---|---|
| CLIENT: WRS | |
| ADDRESS: 10200 Innovation Dr - St 500 | |
| CITY: Milwaukee STATE: WI | ZIP: 53226 |
| PROJECT DESCRIPTION / NO.: XCel Energy Ashland | QUOTATION NO. |
| DNR FID #: 00 | DNR LICENSE # |
| CONTACT: Ben Nelson | PHONE: 414/831-4152 |
| PURCHASE ORDER NO. | FAX: 414/831-4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS

NO. 72157

| ITEM NO. | NLS LAB. NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | | VOC 8260B | SVOC 8270C | TOT. Cyanide | TOT. Metals | Dis. Metals | Hexchrome | | | | | | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 350922 | NS-GW-MW-1-0904 | 9/22/04 | 1415 | GW | | X | X | X | X | X | X | | | | | | Cr+Mn + Dis. Metals |
| 2. | 350923 | NS-GW-MW-2BR-0904 | ↓ | 1430 | ↓ | | X | X | X | X | X | X | | | | | | collected after |
| 3. | 350924 | NS-GW-MW-2C-0904 | ↓ | 1435 | ↓ | | X | X | X | X | X | X | | | | | | 1300 hrs |
| 4. | 350925 | NS-WQ-TRIPBLANK3-0904 | — | — | DI | | X | | | | | | | | | | | |
| 5. | | | | | | | | | | | | | | | | | | |
| 6. | | | | | | | | | | | | | | | | | | |
| 7. | | | | | | | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature): [signature] | CUSTODY SEAL NO. (IF ANY) | DATE/TIME: 9-22-04 1530 |
| RELINQUISHED BY (signature): [signature] | RECEIVED BY (signature) | DATE/TIME |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT: (UPS) | DATE/TIME |

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature): [signature] | DATE/TIME: 9/23/04 10:15 | CONDITION: Ok | TEMP. |
| COOLER # | REMARKS & OTHER INFORMATION | | |
| | WDNR FACILITY NUMBER | E-MAIL ADDRESS | |

REPORT TO: Ben Nelson

INVOICE TO: Ben Nelson

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

**IMPORTANT:**
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3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

DUPLICATE COPY

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD


**NORTHERN LAKE SERVICE, INC.**

*Analytical Laboratory and Environmental Services*

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

*Wisconsin Lab Cert. No. 721026460*

*WI DATCP 105-000330*


NO. 72173

| | |
|---|---|
| CLIENT | URS Corp. |
| ADDRESS | 10200 Innovation Dr. Ste 500 |
| CITY / STATE / ZIP | Milwaukee / WI / 53226 |
| PROJECT DESCRIPTION / NO. | Xcel-Ashland 25688375 |
| QUOTATION NO. | |
| DNR FID # | |
| DNR LICENSE # | |
| CONTACT | Ben Nelson |
| PHONE | 414.831.4156 |
| PURCHASE ORDER NO. | |
| FAX | 414.831.4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

| ITEM NO. | LAB USE ONLY | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | ANALYZE PER ORDER OF ANALYSIS | VOC (8260) | SVOC (8270) | Tot. Cyanide | Tot. Metals | Diss. Metals | Hexachrome | | | | | | | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | 4 | 4 | | | | | | |
| 1. | 351155 | NS-GW-MW-18A-0904 | 9/23/04 | 1420 | GW | | X | X | X | X | X | X | | | | | | | |
| 2. | 351156 | NS-GW-MW-18B-0904 | | 1430 | | | X | X | X | X | X | X | | | | | | | |
| 3. | 351157 | NS-GW-TW-13-0904 | | 1450 | | | X | X | X | X | X | X | | | | | | | |
| 4. | 351158 | NS-GW-MW-13A-0904 | | 1500 | | | X | X | X | X | X | X | | | | | | | |
| 5. | 351159 | NS-GW-MW-08-0904 | | 1515 | | | X | X | X | X | X | X | | | | | | | |
| 6. | 351160 | NS-GW-MW-08A-0904 | | 1530 | | | X | X | X | X | X | X | | | | | | | |
| 7. | 351161 | NS-WQ-TRIPBLANK-0904 | — | — | DI | | X | | | | | | | | | | | | |
| 8. | 351162 | NS-WQ-DUP3-0904 | 9/23/04 | — | GW | | X | X | X | X | X | X | | | | | | | |
| 9. | | | | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature) | CUSTODY SEAL NO. (IF ANY) | DATE/TIME 9-23-04 1540 |
| RELINQUISHED BY (signature) | RECEIVED BY (signature) | DATE/TIME |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT UPS | DATE/TIME |

REPORT TO: Ben Nelson

INVOICE TO: Ben Nelson

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature) Debbie Wilson | DATE/TIME 9/24/04 10:00 | CONDITION On ice | TEMP. |
| COOLER # 48-121, 48-173 | REMARKS & OTHER INFORMATION | | |
| | WDNR FACILITY NUMBER | E-MAIL ADDRESS | |

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

**IMPORTANT:**

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2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

ORIG COPY

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

*Wisconsin Lab Cert. No. 721026460*
*WI DATCP 105-000330*

**NORTHERN LAKE SERVICE, INC.**
*Analytical Laboratory and Environmental Services*
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060

NO. 72158

| | |
|---|---|
| CLIENT: URS | |
| ADDRESS: 10200 Innovation Dr. Ste 500 | |
| CITY: Milwaukee | STATE: WI / ZIP: 53226 |
| PROJECT DESCRIPTION / NO.: Ashland 25688375 | QUOTATION NO. |
| DNR FID # | DNR LICENSE # |
| CONTACT: Ben Nelson | PHONE: 414/831-4156 |
| PURCHASE ORDER NO. | FAX: 414/831-4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS

| ITEM NO. | NLS LAB NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | | VOC 8260B | SVOC 8270C | Tot. Cyanide | Tot. Metals | Dis. Metals | Hexachrome | | | | | | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 351187 | NS-GW-TW 12-0904 | 9/24/04 | 0915 | GW | | X | X | X | X | X | X | | | | | | |
| 2. | 351188 | NS-GW-MW-01(GET)0904 | | 1030 | | | X | X | X | X | X | X | | | | | | |
| 3. | 351189 | NS GW-MW-1 -0904 | | 1045 | | | X | X | X | X | X | X | | | | | | |
| 4. | 351190 | NS GW MW17-19/MJD 0904 | | 1045 | | | X | X | X | X | X | X | | | | | | |
| 5. | 351191 | NS GW MW19-0904 | | 1115 | | | X | X | X | X | X | X | | | | | | |
| 6. | 351192 | NS-GW-MW03HET-0904 | | 1100 | | | X | X | X | X | X | X | | | | | | |
| 7. | 351193 | NS WQ-Dup 4-0904 | | — | | | X | X | X | X | X | X | | | | | | |
| 8. | 351194 | NS-WQ-Trip Blanks 0904 | — | — | DI | | X | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature): [signature] | CUSTODY SEAL NO. (IF ANY) | DATE/TIME: 9/24/04 1415 |
| RELINQUISHED BY (signature): [signature] | RECEIVED BY (signature): [signature] | DATE/TIME: 9/24/04 1411 |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT: NLS Courier | DATE/TIME |

REPORT TO: Ben Nelson

INVOICE TO: Ben Nelson

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature): [signature] | DATE/TIME: 9-24-04 15:00 | CONDITION: Onice | TEMP. |
| COOLER #: 48-151, 48-16 | REMARKS & OTHER INFORMATION | | |
| | WDNR FACILITY NUMBER | E-MAIL ADDRESS | |

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

**IMPORTANT:**
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4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

DUPLICATE COPY

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD


**NORTHERN LAKE SERVICE, INC.**

*Analytical Laboratory and Environmental Services*

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

*Wisconsin Lab Cert. No. 721026460*

*WI DATCP 105-000330*


NO. 72159

| | |
|---|---|
| CLIENT | URS |
| ADDRESS | 10200 Innovation Dr. Ste 500 |
| CITY / STATE / ZIP | Milwaukee WI 53226 |
| PROJECT DESCRIPTION / NO. | Xcel Ashland 25688375 |
| QUOTATION NO. | |
| DNR FID # | |
| DNR LICENSE # | |
| CONTACT | Ben Nelson |
| PHONE | 414/831-4100 |
| PURCHASE ORDER NO. | |
| FAX | 414/831-4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

| ITEM NO. | NLS # (LAB USE) | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | ANALYZE PER ORDER OF ANALYSIS: VOC 8260B | SVOC 8270C | Tot Cyanide | Tot. Metals | Dis. Metals | Hexavalent Chrome | | | | | | | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Y | Y | | | | | | | |
| 1. | 351319 | NS-GW-MW-23A-0904 | 9/27/04 | 1400 | GW | X | X | X | X | X | X | | | | | | | |
| 2. | 351320 | NS-GW-MW-23B-0904 | ↓ | 1415 | ↓ | X | X | X | X | X | X | | | | | | | |
| 3. | 351321 | NS-WQ-DUP5-0904 | ↓ | — | ↓ | X | X | X | X | X | X | | | | | | | |
| 4. | | NS-WQ-TRIPBLANK6-0904 | — | — | DI | X | | | | | | | | | | | | |
| 5. | | | | | | | | | | | | | | | | | | |
| 6. | | | | | | | | | | | | | | | | | | |
| 7. | | | | | | | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature) | CUSTODY SEAL NO. (IF ANY) | DATE/TIME 9-27-04 1510 |
| RELINQUISHED BY (signature) | RECEIVED BY (signature) | DATE/TIME |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT: UPS | DATE/TIME |

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature): Karen Styles | DATE/TIME 9/28/04 10:00 | CONDITION OK | TEMP. |
| COOLER # 48-90 | REMARKS & OTHER INFORMATION | | |
| | WDNR FACILITY NUMBER | E-MAIL ADDRESS | |

REPORT TO: Ben Nelson

INVOICE TO: Ben Nelson

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

IMPORTANT:
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2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AG STANDARD TERMS & CONDITIONS ON REVERSE.

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

**NORTHERN LAKE SERVICE, INC.**
*Analytical Laboratory and Environmental Services*
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060

*Wisconsin Lab Cert. No. 721026460*
*WI DATCP 105-000330*

1 of 2

| | |
|---|---|
| CLIENT: URS | |
| ADDRESS: 10200 Innovation Dr. Ste 500 | |
| CITY: Milwaukee | STATE: WI ZIP: 53226 |
| PROJECT DESCRIPTION / NO.: Xcel Ashland 25688375 | QUOTATION NO.: |
| DNR FID #: | DNR LICENSE #: |
| CONTACT: Ben Nelson | PHONE: 414-831-4156 |
| PURCHASE ORDER NO.: | FAX: 414-831-4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS

NO. 72160

| ITEM NO. | NLS LAB NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | VOC 8260B | SVOC 8270C | Tot Cyanide | Tot. Metals | *Dis. Metals | *Hexachrome | | | | | | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 351561 | NS-GW-MW-02B(NET)-0904 | 9/28/04 | 1000 | GW | X | X | X | X | X | X | | | | | | *Dis metals & Cr+6 |
| 2. | 351562 | NS-GW-MW-02A(NET)-0904 | | 1015 | | X | X | X | X | X | X | | | | | | collected after |
| 3. | 351563 | NS GW MW 02(NET)-0904 | | 1030 | | X | X | X | X | X | X | | | | | | 1300 hrs. |
| 4. | 351564 | NS-GW-MW25-0904 | | 1100 | | X | X | X | X | X | X | | | | | | |
| 5. | 351565 | NS-GW-MW25A-0904 | | 1115 | | X | X | X | X | X | X | | | | | | |
| 6. | 351566 | NS-GW-MW26-0904 | | 1210 | | X | X | X | X | X | X | | | | | | |
| 7. | 351567 | NS-GW-MW26A-0904 | | 1230 | | X | X | X | X | X | X | | | | | | |
| 8. | 351568 | NS-GW-MW24-0904 | | 1330 | | X | X | X | X | X | X | | | | | | |
| X 9. | 351569 | NS-GW-MW24A-0904 | | 1400 | | X | X | X | X | X | X | | | | | | |
| 10. | 351570 | NS-WQ-DW26-0904 | ↓ | — | ↓ | X | X | X | X | X | X | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature): [signature] | CUSTODY SEAL NO. (IF ANY) | DATE/TIME: 9-28-04 1530 |
| RELINQUISHED BY (signature): [signature] | RECEIVED BY (signature) | DATE/TIME |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT: UPS | DATE/TIME |

REPORT TO: Ben Nelson

INVOICE TO: Ben Nelson

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature): Mae Chaney | DATE/TIME: 9/29/04 10:45 | CONDITION: On Ice | TEMP. |
| COOLER #: 48-59, 48-142, 48-172 | REMARKS & OTHER INFORMATION | | |
| | WDNR FACILITY NUMBER | E-MAIL ADDRESS | |

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

**IMPORTANT:**
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3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

ORIGINAL COPY

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD


**NORTHERN LAKE SERVICE, INC.**

*Analytical Laboratory and Environmental Services*

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

*Wisconsin Lab Cert. No. 721026460*

*WI DATCP 105-000330*


2 of 2

| | |
|---|---|
| CLIENT | URS |
| ADDRESS | 10200 Innovation Dr. Ste. 500 |
| CITY / STATE / ZIP | Milwaukee / WI / 53226 |
| PROJECT DESCRIPTION / NO. | Xcel-Ashland 25688375 |
| QUOTATION NO. | |
| DNR FID # | |
| DNR LICENSE # | |
| CONTACT | Ben Nelson |
| PHONE | 414.831.4156 |
| PURCHASE ORDER NO. | |
| FAX | 414.831.~~4156~~ 4101 BPN |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

NO. 72161

| ITEM NO. | NLS LAB NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | ANALYZE PER ORDER OF ANALYSIS | VOC (8260B) | SVOC (8270C) | Tot. Cyanide | Tot. Metals | Diss Metals | Hexa chrome | | | | | | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered. Indicate G or C if WW Sample is Grab or Composite. | | | | | | | | | Y | Y | 4 HW | | | | | |
| 1. | | NS-WQ-MW24A-MS/MSD-0904 | 9-28-04 | 1400 | GW | | X | X | X | X | X | X | | | | | | |
| 2. | 351571 | NS-WQ-TripBlank7-0904 | — | — | DI | | X | | | | | | | | | | | |
| 3. | | | | | | | | | | | | | | | | | | |
| 4. | | | | | | | | | | | | | | | | | | |
| 5. | | | | | | | | | | | | | | | | | | |
| 6. | | | | | | | | | | | | | | | | | | |
| 7. | | | | | | | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature) | CUSTODY SEAL NO. (IF ANY) | DATE/TIME 9-28-04 1530 |
| RELINQUISHED BY (signature) | RECEIVED BY (signature) | DATE/TIME |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT: UPS | DATE/TIME |

REPORT TO: Ben Nelson

INVOICE TO: Ben Nelson

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature): Mae Chaney | DATE/TIME: 9/29/04 10:15 | CONDITION: on Ice | TEMP. |
| COOLER # | REMARKS & OTHER INFORMATION | | |
| | WDNR FACILITY NUMBER | E-MAIL ADDRESS | |

PRESERVATIVE: NP = no preservative; S = sulfuric acid; N = nitric acid; Z = zinc acetate; M = methanol; OH = sodium hydroxide; HA = hydrochloric & ascorbic acid; H = hydrochloric acid

**IMPORTANT:**

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3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AC[illegible] STANDARD TERMS & CONDITIONS ON REVERSE.

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

Wisconsin Lab Cert. No. 721026460
WI DATCP 105-000330

**NORTHERN LAKE SERVICE, INC.**
Analytical Laboratory and Environmental Services
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060

NO. 72164

| | |
|---|---|
| CLIENT: URS | |
| ADDRESS: 10200 Innovation Dr. Ste 500 | |
| CITY: Milwaukee STATE: WI ZIP: 53226 | |
| PROJECT DESCRIPTION / NO.: XCel Ashland 25688.375 | QUOTATION NO. |
| DNR FID # | DNR LICENSE # |
| CONTACT: Ben Nelson | PHONE: 414.831.4156 |
| PURCHASE ORDER NO. | FAX: 414.831.4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS

| ITEM NO. | NLS LAB NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | VOC (8260B) | SVOC (8270C) | Tot. Cyanide | Tot. Metals | Dis. Metals | Hexachrome | | | | | | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 351690 | NS-GW-MW-07R-0904 | 9/29/04 | 1315 | GW | X | X | X | X | X | X | | | | | | |
| 2. | 351691 | NS-GW-MW-07A-0904 | | 1330 | | X | X | X | X | X | X | | | | | | |
| 3. | 351692 | NS-GW-MW-07B-0904 | | 1350 | | X | X | X | X | X | X | | | | | | |
| 4. | 351693 | NS-WP-AW-01-0904 | | 1415 | | X | X | X | X | X | X | | | | | | |
| 5. | | NS-WQ-AW-01-MS/MSD-0904 | | 1415 | | X | X | X | X | X | X | | | | | | |
| 6. | 351694 | NS-WP-AW-02-0904 | | 1340 | | X | X | X | X | X | X | | | | | | |
| 7. | 351695 | NS-WQ-DUP7-0904 | | — | | X | X | X | X | X | X | | | | | | |
| 8. | 351696 | NS-WQ-TRIP BLANK8-0904 | — | — | DI | X | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature): [signature] | CUSTODY SEAL NO. (IF ANY) | DATE/TIME: 9-29-04 15:00 |
| RELINQUISHED BY (signature): [signature] | RECEIVED BY (signature) | DATE/TIME |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT: UPS | DATE/TIME |

REPORT TO: Ben Nelson

INVOICE TO: Ben Nelson

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature): Mary Vahe | DATE/TIME: 9-30-04 10:15 | CONDITION: Cnice | TEMP. |
| COOLER #: 48-131 48-128 | REMARKS & OTHER INFORMATION: UPS | | |
| | WDNR FACILITY NUMBER | E-MAIL ADDRESS | |

PRESERVATIVE:
NF = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

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ORIGINAL COPY

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

Wisconsin Lab Cert. No. 721026460
WI DATCP 105-000330

**NORTHERN LAKE SERVICE, INC.**
Analytical Laboratory and Environmental Services
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060

NO. 72163

| | |
|---|---|
| CLIENT | URS |
| ADDRESS | 10200 Innovation Dr. St 500 |
| CITY | Milwaukee |
| STATE | WI |
| ZIP | 53226 |
| PROJECT DESCRIPTION / NO. | Vel Ashland 25688375 |
| QUOTATION NO. | |
| DNR FID # | |
| DNR LICENSE # | |
| CONTACT | Ben Nelson |
| PHONE | 414-831-4156 |
| PURCHASE ORDER NO. | |
| FAX | 414-831-4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS

| ITEM NO. | NLS LAB. NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | | VOC (8260B) | SVOC (8270C) | Tot. Cyanide | Tot. Metals | Dis. Metals | Hexachrome | | | | | | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 351199 | NS-GW-MW-10-0904 | 9/30/04 | 0815 | GW | | X | X | X | X | X | X | | | | | | |
| 2. | 351800 | NS-GW-MW-10A-0904 | | 0830 | | | X | X | X | X | X | X | HV | | | | | |
| 3. | | ~~NS-GW-MW-10B-0904~~ | | ~~0845~~ | | | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | ~~X~~ | | | | | | |
| 4. | 351801 | NS-GW-MW-20A-0904 | | 0900 | | | X | X | X | X | X | X | | | | | | |
| 5. | 351802 | NS-GW-MW-21A-0904 | | 0915 | | | X | X | X | X | X | X | | | | | | |
| 6. | 351803 | NS-GW-MW-21B-0904 | | 0930 | | | X | X | X | X | X | X | | | | | | |
| 7. | 351804 | NS-WQ-TRIPBLANK-9-0904 | — | — | DI | | X | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature) | CUSTODY SEAL NO. (IF ANY) | DATE/TIME 9-30-04 1450 |
| RELINQUISHED BY (signature) | RECEIVED BY (signature) | DATE/TIME |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT In person | DATE/TIME |

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature) | DATE/TIME | CONDITION | TEMP. |
| COOLER # 48-77, 48-67, 48-95 | REMARKS & OTHER INFORMATION | | |
| | WDNR FACILITY NUMBER | E-MAIL ADDRESS | |

REPORT TO: Ben Nelson

INVOICE TO: Ben Nelson

PRESERVATIVE:
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S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

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NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 86235
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW13C-1204 NLS ID: 357788**
Ref. Line 1 COC 73791 NS-GW-MW13C-1204 Matrix: GW
Collected: 12/07/04 13:15 Received: 12/08/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | [0.011] | mg/L | 1 | 0.0042 | 0.015 | 12/13/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.011] | mg/L | 1 | 0.0042 | 0.015 | 12/13/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/13/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/13/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [5.5] | ug/L | 1 | 2.6 | 9.0 | 12/14/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [4.5] | ug/L | 1 | 2.6 | 9.0 | 12/14/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 77 | ug/L | 1 | 2.5* | 5.0 | 12/13/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 81 | ug/L | 1 | 2.5* | 5.0 | 12/13/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/14/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/13/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/13/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/13/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 20 | mg/L | 1 | 0.15* | 0.30 | 12/13/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 21 | mg/L | 1 | 0.15* | 0.30 | 12/13/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 12/08/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 12/15/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [0.75] | ug/L | 1 | 0.51 | 1.8 | 12/13/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.98] | ug/L | 1 | 0.51 | 1.8 | 12/13/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/14/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/13/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 12/22/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 12/13/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 12/13/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/13/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/13/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 6.6 | mg/L | 1 | 0.15* | 0.30 | 12/14/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 6.4 | mg/L | 1 | 0.15* | 0.30 | 12/13/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 46 | ug/L | 1 | 1.0* | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 47 | ug/L | 1 | 1.0* | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/13/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 12/13/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 3.2 | mg/L | 1 | 0.53 | 1.9 | 12/15/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 2.9 | mg/L | 1 | 0.53 | 1.9 | 12/15/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | [1.9] | ug/L | 1 | 1.6 | 5.5 | 12/14/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 12/14/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 14 | mg/L | 1 | 0.012 | 0.044 | 12/15/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 13 | mg/L | 1 | 0.012 | 0.044 | 12/15/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/15/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/15/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 86235
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW13C-1204 NLS ID: 357788**
Ref. Line 1 COC 73791 NS-GW-MW13C-1204 Matrix: GW
Collected: 12/07/04 13:15 Received: 12/08/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, tot. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/13/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/13/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/09/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/09/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/09/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/09/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/14/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/09/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 12/14/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 86235
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW13D-1204 NLS ID: 357789**
Ref. Line 2 COC 73791 NS-GW-MW13D-1204 Matrix: GW
Collected: 12/07/04 13:25 Received: 12/08/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.031 | mg/L | 1 | 0.0042 | 0.015 | 12/13/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0060] | mg/L | 1 | 0.0042 | 0.015 | 12/13/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/13/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/13/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [3.0] | ug/L | 1 | 2.6 | 9.0 | 12/14/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [3.0] | ug/L | 1 | 2.6 | 9.0 | 12/14/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 70 | ug/L | 1 | 2.5* | 5.0 | 12/13/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 71 | ug/L | 1 | 2.5* | 5.0 | 12/13/04 | SW846 6010 | 721026460 |
| Beryllium, tot as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/14/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/13/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/13/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/13/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 24 | mg/L | 1 | 0.15* | 0.30 | 12/13/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 24 | mg/L | 1 | 0.15* | 0.30 | 12/13/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 12/08/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 12/15/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [0.70] | ug/L | 1 | 0.51 | 1.8 | 12/13/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 12/13/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | [2.4] | ug/L | 1 | 1.3 | 4.0 | 12/14/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/13/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 12/22/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | [0.044] | mg/L | 1 | 0.033 | 0.10 | 12/13/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 12/13/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/13/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/13/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 7.5 | mg/L | 1 | 0.15* | 0.30 | 12/14/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 7.2 | mg/L | 1 | 0.15* | 0.30 | 12/13/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 74 | ug/L | 1 | 1.0* | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 73 | ug/L | 1 | 1.0* | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/13/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 12/13/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.1 | mg/L | 1 | 0.53 | 1.9 | 12/15/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 3.9 | mg/L | 1 | 0.53 | 1.9 | 12/15/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 12/14/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 12/14/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 21 | mg/L | 1 | 0.012 | 0.044 | 12/15/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 20 | mg/L | 1 | 0.012 | 0.044 | 12/15/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/15/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/15/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 86235
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW13D-1204 NLS ID: 357789**
Ref. Line 2 COC 73791 NS-GW-MW13D-1204 Matrix: GW
Collected: 12/07/04 13:25 Received: 12/08/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, tot. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/13/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/13/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/09/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/09/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/09/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/09/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/14/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/09/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 12/14/04 | SW846 8270C | 721026460 |

NORTHERN [illegible]E SERVICE, INC.
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400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 86235
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW09-1204 NLS ID: 357750**
Ref. Line 3 COC 73791 NS-GW-MW09-1204 Matrix: GW
Collected: 12/07/04 14:05 Received: 12/08/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 12 | mg/L | 1 | 0.0042 | 0.015 | 12/13/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0080] | mg/L | 1 | 0.0042 | 0.015 | 12/13/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/13/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/13/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 12/14/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [5.5] | ug/L | 1 | 2.6 | 9.0 | 12/14/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 170 | ug/L | 1 | 2.5* | 5.0 | 12/13/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 54 | ug/L | 1 | 2.5* | 5.0 | 12/13/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 2 | 0.34 | 1.0 | 12/15/04 | SW846 6010 | 721026460 |
| | Dilution required to reduce matrix interferences. | | | | | | | |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/13/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | 3.0 | ug/L | 1 | 0.17 | 0.50 | 12/13/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | [0.46] | ug/L | 1 | 0.17 | 0.50 | 12/13/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 30 | mg/L | 1 | 0.15* | 0.30 | 12/13/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 22 | mg/L | 1 | 0.15* | 0.30 | 12/13/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 17 | ug/L | 1 | 3.6* | | 12/08/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 4.5 | ug/L | 1 | 3.6* | | 12/15/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 21 | ug/L | 1 | 0.51 | 1.8 | 12/13/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [1.1] | ug/L | 1 | 0.51 | 1.8 | 12/13/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 6.5 | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 120 | ug/L | 1 | 1.3 | 4.0 | 12/13/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | [2.7] | ug/L | 1 | 1.3 | 4.0 | 12/13/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | 0.088 | mg/L | 1 | 0.0050 | 0.015 | 12/22/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 17 | mg/L | 1 | 0.033 | 0.10 | 12/13/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 2.8 | mg/L | 1 | 0.033 | 0.10 | 12/13/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 43 | ug/L | 1 | 0.87 | 3.0 | 12/13/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/13/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 8.0 | mg/L | 1 | 0.15* | 0.30 | 12/14/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 3.0 | mg/L | 1 | 0.15* | 0.30 | 12/13/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 420 | ug/L | 1 | 1.0* | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 210 | ug/L | 1 | 1.0* | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/13/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | [0.038] | ug/L | 1 | 0.025 | 0.050 | 12/13/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 30 | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 4.0 | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 2.7 | mg/L | 1 | 0.53 | 1.9 | 12/15/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 5.8 | mg/L | 1 | 0.53 | 1.9 | 12/15/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | [3.3] | ug/L | 1 | 1.6 | 5.5 | 12/14/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 12/14/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 100 | mg/L | 1 | 0.012 | 0.044 | 12/15/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 90 | mg/L | 1 | 0.012 | 0.044 | 12/15/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/15/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86235
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel R1/FS 25688375

**NS-GW-MW09-1204 NLS ID: 357790**
Ref. Line 3 COC 73791 NS-GW-MW09-1204 Matrix: GW
Collected: 12/07/04 14:05 Received: 12/08/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/15/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 28 | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [1.7] | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 400 | ug/L | 1 | 5.0* | 10 | 12/13/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | 63 | ug/L | 1 | 5.0* | 10 | 12/13/04 | SW846 6010 | 721026460 |
| Lab filtration | yes | | | | | 12/08/04 | NA | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/09/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/09/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/09/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/09/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/14/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/09/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 12/14/04 | SW846 8270C | 721026460 |

NORTHERN [illegible]E SERVICE, INC.
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 86235
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW09A-1204 NLS ID: 357791**
Ref. Line 4 COC 73791 NS-GW-MW09A-1204 Matrix: GW
Collected: 12/07/04 14:15 Received: 12/08/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.71 | mg/L | 1 | 0.0042 | 0.015 | 12/13/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.013] | mg/L | 1 | 0.0042 | 0.015 | 12/13/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/13/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/13/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [3.1] | ug/L | 1 | 2.6 | 9.0 | 12/14/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [3.7] | ug/L | 1 | 2.6 | 9.0 | 12/14/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 68 | ug/L | 1 | 2.5* | 5.0 | 12/13/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 61 | ug/L | 1 | 2.5* | 5.0 | 12/13/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/14/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/13/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | [0.29] | ug/L | 1 | 0.17 | 0.50 | 12/13/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/13/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 20 | mg/L | 1 | 0.15* | 0.30 | 12/13/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 20 | mg/L | 1 | 0.15* | 0.30 | 12/13/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 12/08/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 12/15/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [1.8] | ug/L | 1 | 0.51 | 1.8 | 12/13/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.71] | ug/L | 1 | 0.51 | 1.8 | 12/13/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 6.1 | ug/L | 1 | 1.3 | 4.0 | 12/14/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/13/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 12/22/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 0.69 | mg/L | 1 | 0.033 | 0.10 | 12/13/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 12/13/04 | SW846 6010 | 721026460 |
| Lead tot. as Pb by ICP-Trace | 4.4 | ug/L | 1 | 0.87 | 3.0 | 12/13/04 | SW846 6010 | 721026460 |
| Lead dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/13/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 7.0 | mg/L | 1 | 0.15* | 0.30 | 12/14/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 6.4 | mg/L | 1 | 0.15* | 0.30 | 12/13/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 60 | ug/L | 1 | 1.0* | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 50 | ug/L | 1 | 1.0* | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/13/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 12/13/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | [1.2] | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 3.1 | mg/L | 1 | 0.53 | 1.9 | 12/15/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 3.2 | mg/L | 1 | 0.53 | 1.9 | 12/15/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 12/14/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 12/14/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 14 | mg/L | 1 | 0.012 | 0.044 | 12/15/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 14 | mg/L | 1 | 0.012 | 0.044 | 12/15/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/15/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/15/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 86235
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW09A-1204 NLS ID: 357791**
Ref. Line 4 COC 73791 NS-GW-MW09A-1204 Matrix: GW
Collected: 12/07/04 14:15 Received: 12/08/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, tot. as V by ICP-Trace | [1.7] | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 35 | ug/L | 1 | 5.0* | 10 | 12/13/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/13/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/09/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/09/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/09/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/09/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/14/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/09/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 12/14/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 86235
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW09B-1204 NLS ID: 357792**
Ref. Line 5 COC 73791 NS-GW-MW09B-1204 Matrix: GW
Collected: 12/07/04 14:25 Received: 12/08/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.19 | mg/L | 1 | 0.0042 | 0.015 | 12/13/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0090] | mg/L | 1 | 0.0042 | 0.015 | 12/13/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/13/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/13/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [4.0] | ug/L | 1 | 2.6 | 9.0 | 12/14/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [4.8] | ug/L | 1 | 2.6 | 9.0 | 12/14/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 77 | ug/L | 1 | 2.5* | 5.0 | 12/13/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 77 | ug/L | 1 | 2.5* | 5.0 | 12/13/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/14/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/13/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | [0.31] | ug/L | 1 | 0.17 | 0.50 | 12/13/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/13/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 27 | mg/L | 1 | 0.15* | 0.30 | 12/13/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 27 | mg/L | 1 | 0.15* | 0.30 | 12/13/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 4.2 | ug/L | 1 | 3.6* | | 12/08/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | ug/L | | 3.6* | | 12/15/04 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | |
| Chromium, tot. as Cr by ICP-Trace | [0.90] | ug/L | 1 | 0.51 | 1.8 | 12/13/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 12/13/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/14/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/13/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | 0.020 | mg/L | 1 | 0.0050 | 0.015 | 12/22/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 1.2 | mg/L | 1 | 0.033 | 0.10 | 12/13/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 1.0 | mg/L | 1 | 0.033 | 0.10 | 12/13/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/13/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/13/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 7.2 | mg/L | 1 | 0.15* | 0.30 | 12/14/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 6.8 | mg/L | 1 | 0.15* | 0.30 | 12/13/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 240 | ug/L | 1 | 1.0* | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 240 | ug/L | 1 | 1.0* | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/13/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 12/13/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 3.9 | mg/L | 1 | 0.53 | 1.9 | 12/15/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 4.0 | mg/L | 1 | 0.53 | 1.9 | 12/15/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | [2.1] | ug/L | 1 | 1.6 | 5.5 | 12/14/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 12/14/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | [0.95] | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 19 | mg/L | 1 | 0.012 | 0.044 | 12/15/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 19 | mg/L | 1 | 0.012 | 0.044 | 12/15/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/15/04 | SW846 7841 | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
*Analytical Laboratory and Environmental Services*
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86235
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW09B-1204 NLS ID: 357792**
Ref. Line 5 COC 73791 NS-GW-MW09B-1204 Matrix: GW
Collected: 12/07/04 14:25 Received: 12/08/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/15/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | [1.3] | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/13/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/13/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/09/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/09/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/09/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/09/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/14/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/09/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 12/14/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 86235
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW09C-1204 MS/MSD NLS ID: 357793**
Ref. Line 6 COC 73791 NS-GW-MW09C-1204 MS/MSD Matrix: GW
Collected: 12/07/04 14:35 Received: 12/08/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.45 | mg/L | 1 | 0.0042 | 0.015 | 12/13/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.014] | mg/L | 1 | 0.0042 | 0.015 | 12/13/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/13/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/13/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [3.5] | ug/L | 1 | 2.6 | 9.0 | 12/14/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [2.9] | ug/L | 1 | 2.6 | 9.0 | 12/14/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 49 | ug/L | 1 | 2.5* | 5.0 | 12/13/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 44 | ug/L | 1 | 2.5* | 5.0 | 12/13/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/14/04 | SW846 6010 | 721026460 |
| Beryllium, dis as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/13/04 | SW846 6010 | 721026460 |
| Cadmium, tot as Cd by ICP-Trace | [0.22] | ug/L | 1 | 0.17 | 0.50 | 12/13/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | [0.19] | ug/L | 1 | 0.17 | 0.50 | 12/13/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 21 | mg/L | 1 | 0.15* | 0.30 | 12/13/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 20 | mg/L | 1 | 0.15* | 0.30 | 12/13/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 12/08/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 12/15/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [1.4] | ug/L | 1 | 0.51 | 1.8 | 12/13/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.95] | ug/L | 1 | 0.51 | 1.8 | 12/13/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | [1.5] | ug/L | 1 | 1.3 | 4.0 | 12/14/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/13/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 12/22/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 0.36 | mg/L | 1 | 0.033 | 0.10 | 12/13/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 12/13/04 | SW846 6010 | 721026460 |
| Lead tot. as Pb by ICP-Trace | [1.4] | ug/L | 1 | 0.87 | 3.0 | 12/13/04 | SW846 6010 | 721026460 |
| Lead dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/13/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 6.8 | mg/L | 1 | 0.15* | 0.30 | 12/14/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 6.1 | mg/L | 1 | 0.15* | 0.30 | 12/13/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 59 | ug/L | 1 | 1.0* | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 51 | ug/L | 1 | 1.0* | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/13/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 12/13/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 3.1 | mg/L | 1 | 0.53 | 1.9 | 12/15/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 3.1 | mg/L | 1 | 0.53 | 1.9 | 12/15/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | [2.7] | ug/L | 1 | 1.6 | 5.5 | 12/14/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 12/14/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 17 | mg/L | 1 | 0.012 | 0.044 | 12/15/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 18 | mg/L | 1 | 0.012 | 0.044 | 12/15/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/15/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/15/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86235
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel R1/FS 25688375

**NS-GW-MW09C-1204 MS/MSD NLS ID: 357793**
Ref. Line 6 COC 73791 NS-GW-MW09C-1204 MS/MSD Matrix: GW
Collected: 12/07/04 14:35 Received: 12/08/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, tot. as V by ICP-Trace | [1.6] | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | [9.8] | ug/L | 1 | 5.0* | 10 | 12/13/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/13/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/09/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/09/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/09/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/09/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/14/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/09/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 12/14/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel R1/FS 25688375

NLS Project: 86235
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**NS-GW-MW-14-1204 NLS ID: 357794**
Ref. Line 7 COC 73791 NS-GW-MW-14-1204 Matrix: GW
Collected: 12/07/04 13:35 Received: 12/08/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 1.3 | mg/L | 1 | 0.0042 | 0.015 | 12/13/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | 0.095 | mg/L | 1 | 0.0042 | 0.015 | 12/13/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/13/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/13/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [4.1] | ug/L | 1 | 2.6 | 9.0 | 12/14/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [5.5] | ug/L | 1 | 2.6 | 9.0 | 12/14/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 390 | ug/L | 1 | 2.5* | 5.0 | 12/13/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 350 | ug/L | 1 | 2.5* | 5.0 | 12/13/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | [0.20] | ug/L | 1 | 0.17 | 0.50 | 12/14/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/13/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | 0.78 | ug/L | 1 | 0.17 | 0.50 | 12/13/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | 0.87 | ug/L | 1 | 0.17 | 0.50 | 12/13/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 90 | mg/L | 1 | 0.15* | 0.30 | 12/13/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 98 | mg/L | 1 | 0.15* | 0.30 | 12/13/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 4.2 | ug/L | 1 | 3.6* | | 12/08/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | ug/L | | 3.6* | | 12/15/04 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | |
| Chromium, tot. as Cr by ICP-Trace | [1.3] | ug/L | 1 | 0.51 | 1.8 | 12/13/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [1.7] | ug/L | 1 | 0.51 | 1.8 | 12/13/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | 2.3 | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 11 | ug/L | 1 | 1.3 | 4.0 | 12/14/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | [2.9] | ug/L | 1 | 1.3 | 4.0 | 12/13/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | 0.11 | mg/L | 1 | 0.0050 | 0.015 | 12/22/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 24 | mg/L | 1 | 0.033 | 0.10 | 12/13/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 24 | mg/L | 1 | 0.033 | 0.10 | 12/13/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 4.1 | ug/L | 1 | 0.87 | 3.0 | 12/13/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/13/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 30 | mg/L | 1 | 0.15* | 0.30 | 12/14/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 29 | mg/L | 1 | 0.15* | 0.30 | 12/13/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 450 | ug/L | 1 | 1.0* | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 460 | ug/L | 1 | 1.0* | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/13/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | [0.045] | ug/L | 1 | 0.025 | 0.050 | 12/13/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 2.0 | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 2.3 | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 18 | mg/L | 1 | 0.53 | 1.9 | 12/15/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 17 | mg/L | 1 | 0.53 | 1.9 | 12/15/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | [2.1] | ug/L | 1 | 1.6 | 5.5 | 12/14/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | [3.7] | ug/L | 1 | 1.6 | 5.5 | 12/14/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 57 | mg/L | 1 | 0.012 | 0.044 | 12/15/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 53 | mg/L | 1 | 0.012 | 0.044 | 12/15/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/15/04 | SW846 7841 | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
*Analytical Laboratory and Environmental Services*
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 86235
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW-14-1204 NLS ID: 357794**
Ref. Line 7 COC 73791 NS-GW-MW-14-1204 Matrix: GW
Collected: 12/07/04 13:35 Received: 12/08/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/15/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 3.1 | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [1.4] | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 19 | ug/L | 1 | 5.0* | 10 | 12/13/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | 13 | ug/L | 1 | 5.0* | 10 | 12/13/04 | SW846 6010 | 721026460 |
| Lab filtration | yes | | | | | 12/08/04 | NA | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/09/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/09/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/09/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/09/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/14/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/09/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 12/14/04 | SW846 8270C | 721026460 |

NORTHERN [illegible]E SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL [illegible]PORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86235
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel R1/FS 25688375

**NS-GW-MW-11-1204 NLS ID: 357795**
Ref. Line 8 COC 73791 NS-GW-MW-11-1204 Matrix: GW
Collected: 12/07/04 13:45 Received: 12/08/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 2.7 | mg/L | 1 | 0.0042 | 0.015 | 12/13/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | 0.026 | mg/L | 1 | 0.0042 | 0.015 | 12/13/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/13/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/13/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 12/14/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 12/14/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 150 | ug/L | 1 | 2.5* | 5.0 | 12/13/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 130 | ug/L | 1 | 2.5* | 5.0 | 12/13/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/14/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/13/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | [0.40] | ug/L | 1 | 0.17 | 0.50 | 12/13/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/13/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 87 | mg/L | 1 | 0.15* | 0.30 | 12/13/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 93 | mg/L | 1 | 0.15* | 0.30 | 12/13/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 12/08/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 3.8 | ug/L | 1 | 3.6* | | 12/15/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 3.8 | ug/L | 1 | 0.51 | 1.8 | 12/13/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [1.5] | ug/L | 1 | 0.51 | 1.8 | 12/13/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | [0.79] | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 10 | ug/L | 1 | 1.3 | 4.0 | 12/14/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | [2.7] | ug/L | 1 | 1.3 | 4.0 | 12/13/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.0090] | mg/L | 1 | 0.0050 | 0.015 | 12/22/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 2.8 | mg/L | 1 | 0.033 | 0.10 | 12/13/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | [0.072] | mg/L | 1 | 0.033 | 0.10 | 12/13/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 4.4 | ug/L | 1 | 0.87 | 3.0 | 12/13/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/13/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 41 | mg/L | 1 | 0.15* | 0.30 | 12/14/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 38 | mg/L | 1 | 0.15* | 0.30 | 12/13/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 120 | ug/L | 1 | 1.0* | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 12 | ug/L | 1 | 1.0* | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/13/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 12/13/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 2.9 | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.0] | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 1.9 | mg/L | 1 | 0.53 | 1.9 | 12/15/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 2.6 | mg/L | 1 | 0.53 | 1.9 | 12/15/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | [3.2] | ug/L | 1 | 1.6 | 5.5 | 12/14/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 12/14/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 35 | mg/L | 1 | 0.012 | 0.044 | 12/15/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 33 | mg/L | 1 | 0.012 | 0.044 | 12/15/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/15/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/15/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 86235
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW-11-1204 NLS ID: 357795**
Ref. Line 8 COC 73791 NS-GW-MW-11-1204 Matrix: GW
Collected: 12/07/04 13:45 Received: 12/08/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, tot. as V by ICP-Trace | 8.5 | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 2.1 | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 23 | ug/L | 1 | 5.0* | 10 | 12/13/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [5.1] | ug/L | 1 | 5.0* | 10 | 12/13/04 | SW846 6010 | 721026460 |
| Lab filtration | yes | | | | | 12/08/04 | NA | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/09/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/09/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/09/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/09/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/14/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/09/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 12/14/04 | SW846 8270C | 721026460 |

NORTHERN [illegible] SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-950
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel R1/FS 25688375

NLS Project: 86235
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

**NS-GW-MW-03-1204 NLS ID: 357796**
Ref. Line 9 COC 73791 NS-GW-MW-03-1204 Matrix: GW
Collected: 12/07/04 13:55 Received: 12/08/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 5.1 | mg/L | 1 | 0.0042 | 0.015 | 12/13/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | 0.031 | mg/L | 1 | 0.0042 | 0.015 | 12/13/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/13/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/13/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [2.9] | ug/L | 1 | 2.6 | 9.0 | 12/14/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [5.7] | ug/L | 1 | 2.6 | 9.0 | 12/14/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 300 | ug/L | 1 | 2.5* | 5.0 | 12/13/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 210 | ug/L | 1 | 2.5* | 5.0 | 12/13/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/14/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/13/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | 1.2 | ug/L | 1 | 0.17 | 0.50 | 12/13/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | 0.68 | ug/L | 1 | 0.17 | 0.50 | 12/13/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 190 | mg/L | 1 | 0.15* | 0.30 | 12/13/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 200 | mg/L | 1 | 0.15* | 0.30 | 12/13/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 8.0 | ug/L | 1 | 3.6* | | 12/08/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 3.8 | ug/L | 1 | 3.6* | | 12/15/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 12 | ug/L | 1 | 0.51 | 1.8 | 12/13/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 12/13/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 13 | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | 12 | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 18 | ug/L | 1 | 1.3 | 4.0 | 12/14/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | [2.9] | ug/L | 1 | 1.3 | 4.0 | 12/13/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | 2.5 | mg/L | 25 | 0.13 | 0.38 | 12/22/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 18 | mg/L | 1 | 0.033 | 0.10 | 12/13/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 11 | mg/L | 1 | 0.033 | 0.10 | 12/13/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 6.5 | ug/L | 1 | 0.87 | 3.0 | 12/13/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [2.1] | ug/L | 1 | 0.87 | 3.0 | 12/13/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 36 | mg/L | 1 | 0.15* | 0.30 | 12/14/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 31 | mg/L | 1 | 0.15* | 0.30 | 12/13/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 1800 | ug/L | 1 | 1.0* | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 1800 | ug/L | 1 | 1.0* | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/13/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | [0.035] | ug/L | 1 | 0.025 | 0.050 | 12/13/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 27 | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 24 | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 13 | mg/L | 1 | 0.53 | 1.9 | 12/15/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 13 | mg/L | 1 | 0.53 | 1.9 | 12/15/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 12/14/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 12/14/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 54 | mg/L | 1 | 0.012 | 0.044 | 12/15/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 56 | mg/L | 1 | 0.012 | 0.044 | 12/15/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/15/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/15/04 | SW846 7841 | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
***Ph: (715)-478-2777 Fax: (715)-478-3060***

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Ben Nelson**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 86235**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel R1/FS 25688375**

**NS-GW-MW-03-1204 NLS ID: 357796**
Ref. Line 9 COC 73791 NS-GW-MW-03-1204 Matrix: GW
Collected: 12/07/04 13:55 Received: 12/08/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, tot. as V by ICP-Trace | 11 | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [0.69] | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 120 | ug/L | 1 | 5.0* | 10 | 12/13/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | 110 | ug/L | 1 | 5.0* | 10 | 12/13/04 | SW846 6010 | 721026460 |
| Lab filtration | yes | | | | | 12/08/04 | NA | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/09/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/09/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/09/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/09/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/14/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/09/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 12/14/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 86235
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-WQ-Dup1-1204 NLS ID: 357797**
Ref. Line 10 COC 73791 NS-WQ-Dup1-1204 Matrix: GW
Collected: 12/07/04 00:00 Received: 12/08/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.019 | mg/L | 1 | 0.0042 | 0.015 | 12/13/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0070] | mg/L | 1 | 0.0042 | 0.015 | 12/13/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/13/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/13/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [5.2] | ug/L | 1 | 2.6 | 9.0 | 12/14/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [5.8] | ug/L | 1 | 2.6 | 9.0 | 12/14/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 84 | ug/L | 1 | 2.5* | 5.0 | 12/13/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 81 | ug/L | 1 | 2.5* | 5.0 | 12/13/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/14/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/13/04 | SW846 6010 | 721026460 |
| Cadmium, tot as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/13/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/13/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 20 | mg/L | 1 | 0.15* | 0.30 | 12/13/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 21 | mg/L | 1 | 0.15* | 0.30 | 12/13/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 12/08/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 12/15/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [0.78] | ug/L | 1 | 0.51 | 1.8 | 12/13/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.76] | ug/L | 1 | 0.51 | 1.8 | 12/13/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/14/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/13/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 12/22/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | [0.038] | mg/L | 1 | 0.033 | 0.10 | 12/13/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 12/13/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/13/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [0.89] | ug/L | 1 | 0.87 | 3.0 | 12/13/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 6.9 | mg/L | 1 | 0.15* | 0.30 | 12/14/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 6.5 | mg/L | 1 | 0.15* | 0.30 | 12/13/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 47 | ug/L | 1 | 1.0* | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 48 | ug/L | 1 | 1.0* | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/13/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 12/13/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 3.1 | mg/L | 1 | 0.53 | 1.9 | 12/15/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 3.1 | mg/L | 1 | 0.53 | 1.9 | 12/15/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | [2.9] | ug/L | 1 | 1.6 | 5.5 | 12/14/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 12/14/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 14 | mg/L | 1 | 0.012 | 0.044 | 12/15/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 13 | mg/L | 1 | 0.012 | 0.044 | 12/15/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/15/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/15/04 | SW846 7841 | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Ben Nelson**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 86235**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel R1/FS 25688375**

**NS-WQ-Dup1-1204 NLS ID: 357797**
Ref. Line 10 COC 73791 NS-WQ-Dup1-1204 Matrix: GW
Collected: 12/07/04 00:00 Received: 12/08/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, tot. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/13/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/13/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/09/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/09/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/09/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/09/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/14/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/09/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 12/14/04 | SW846 8270C | 721026460 |

**NS-WQ-Trip Blank1-1204 NLS ID: 357798**
Ref. Line 11 COC 73791 NS-WQ-Trip Blank1-1204 Matrix: TB
Collected: 12/07/04 00:00 Received: 12/08/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 12/14/04 | SW846 8260 | 721026460 |

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

# ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86235**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: SAT2NSP Printed: 01/24/2005 15:34**

**Sample: 357788 NS-GW-MW13C-1204** **Collected: 12/07/04** **Analyzed: 12/14/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [0.13] | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | 3.2 | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 102% | | | | |
| Toluene-d8 (SURR**) | 106% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 98% | | | | |

**Sample: 357789 NS-GW-MW13D-1204** **Collected: 12/07/04** **Analyzed: 12/14/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | 2.9 | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 106% | | | | |
| Toluene-d8 (SURR**) | 107% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 104% | | | | |

**Sample: 357790 NS-GW-MW09-1204** **Collected: 12/07/04** **Analyzed: 12/14/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 2000 | ug/L | 125 | 14 | 48 |
| sec-Butylbenzene | ND | ug/L | 125 | 20 | 66 |
| Ethylbenzene | 400 | ug/L | 125 | 18 | 59 |
| ortho-Xylene | 240 | ug/L | 125 | 17 | 55 |
| Styrene | [53] | ug/L | 125 | 18 | 59 |
| Toluene | 1500 | ug/L | 125 | 26 | 96 |
| 1,2,4-Trimethylbenzene | 99 | ug/L | 125 | 18 | 60 |
| 1,3,5-Trimethylbenzene | [33] | ug/L | 125 | 15 | 51 |
| meta,para-Xylene | 470 | ug/L | 125 | 33 | 110 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 125 | 26 | 85 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 109% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86235**

**Project Description: Xcel R1/FS 25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 01/24/2005 15:34**

**Sample: 357791** **NS-GW-MW09A-1204** **Collected: 12/07/04** **Analyzed: 12/14/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 890 | ug/L | 100 | 12 | 38 |
| sec-Butylbenzene | ND | ug/L | 100 | 16 | 52 |
| Ethylbenzene | [31] | ug/L | 100 | 14 | 47 |
| ortho-Xylene | [19] | ug/L | 100 | 13 | 44 |
| Styrene | ND | ug/L | 100 | 14 | 47 |
| Toluene | 230 | ug/L | 100 | 20 | 77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 100 | 14 | 48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 100 | 12 | 41 |
| meta,para-Xylene | [41] | ug/L | 100 | 26 | 88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 100 | 21 | 68 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 106% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

**Sample: 357792** **NS-GW-MW09B-1204** **Collected: 12/07/04** **Analyzed: 12/16/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 2600 | ug/L | 250 | 29 | 96 |
| sec-Butylbenzene | ND | ug/L | 250 | 39 | 130 |
| Ethylbenzene | 230 | ug/L | 250 | 35 | 120 |
| ortho-Xylene | 140 | ug/L | 250 | 33 | 110 |
| Styrene | [50] | ug/L | 250 | 35 | 120 |
| Toluene | 430 | ug/L | 250 | 51 | 190 |
| 1,2,4-Trimethylbenzene | [68] | ug/L | 250 | 36 | 120 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 250 | 31 | 100 |
| meta,para-Xylene | 270 | ug/L | 250 | 66 | 220 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 250 | 51 | 170 |
| Dibromofluoromethane (SURR**) | 96% | | | | |
| Toluene-d8 (SURR**) | 102% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 92% | | | | |

**Sample: 357793** **NS-GW-MW09C-1204 MS/MSD** **Collected: 12/07/04** **Analyzed: 12/14/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [31] | ug/L | 100 | 12 | 38 |
| sec-Butylbenzene | ND | ug/L | 100 | 16 | 52 |
| Ethylbenzene | [41] | ug/L | 100 | 14 | 47 |
| ortho-Xylene | 100 | ug/L | 100 | 13 | 44 |
| Styrene | 250 | ug/L | 100 | 14 | 47 |
| Toluene | 470 | ug/L | 100 | 20 | 77 |
| 1,2,4-Trimethylbenzene | 53 | ug/L | 100 | 14 | 48 |
| 1,3,5-Trimethylbenzene | [20] | ug/L | 100 | 12 | 41 |
| meta,para-Xylene | 220 | ug/L | 100 | 26 | 88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 100 | 21 | 68 |
| Dibromofluoromethane (SURR**) | 106% | | | | |
| Toluene-d8 (SURR**) | 110% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86235**
**Project Description: Xcel R1/F: 25688375**
**Project Title:** **Template: SAT2NSP Printed: 01/24/2005 15:34**

**Sample: 357794 NS-GW-MW-1[illegible]-1204** **Collected: 12/07/04** **Analyzed: 12/14/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 4900 | ug/L | 500 | 58 | 190 |
| sec-Butylbenzene | ND | ug/L | 500 | 79 | 260 |
| Ethylbenzene | 1000 | ug/L | 500 | 71 | 230 |
| ortho-Xylene | 520 | ug/L | 500 | 67 | 220 |
| Styrene | ND | ug/L | 500 | 70 | 230 |
| Toluene | 540 | ug/L | 500 | 100 | 390 |
| 1,2,4-Trimethylbenzene | [140] | ug/L | 500 | 72 | 240 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 500 | 61 | 200 |
| meta,para-Xylene | [360] | ug/L | 500 | 130 | 440 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 500 | 100 | 340 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 110% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 104% | | | | |

**Sample: 357795 NS-GW-MW-1[illegible]-1204** **Collected: 12/07/04** **Analyzed: 12/14/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | 2.7 | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 102% | | | | |
| Toluene-d8 (SURR**) | 104% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 97% | | | | |

**Sample: 357796 NS-GW-MW-0[illegible]-1204** **Collected: 12/07/04** **Analyzed: 12/14/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 2.6 | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | 3.4 | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | 2.7 | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | 7.8 | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | 0.74 | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | [0.65] | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | 2.4 | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 104% | | | | |
| Toluene-d8 (SURR**) | 114% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 103% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86235**

**Project Description: Xcel R1/FS 25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 01/24/2005 15:34**

**Sample: 357797** **NS-WQ-Dup1-1204** **Collected: 12/07/04** **Analyzed: 12/14/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [0.13] | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | 2.9 | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 107% | | | | |
| Toluene-d8 (SURR**) | 114% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 105% | | | | |

**Sample: 357798** **NS-WQ-Trip Blank1-1204** **Collected: 12/07/04** **Analyzed: 12/14/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | 2.5 | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 110% | | | | |
| Toluene-d8 (SURR**) | 112% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

** *Surrogates are used to evaluate a method's Quality Control.*

# ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86235**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:34**

**Sample: 357788** **NS-GW-MW13C-1204** **Collected: 12/07/04** **Analyzed: 12/14/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 45% | | | | |
| Phenol-d5 (SURR**) | 30% | | | | |
| Nitrobenzene-d5 (SURR**) | 74% | | | | |
| 2-Fluorobiphenyl (SURR**) | 81% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 86% | | | | |
| Terphenyl-d14 (SURR**) | 54% | | | | |

All laboratory control and laboratory control spike duplicate recoveries were within QC limits.

Matrix spike duplicate recovery for Phenol was below QC limits.

Matrix spike and matrix spike duplicate recoveries for Naphthalene could not be quantitated effectively due to sample matrix and high dilution factor.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86235**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:34**

**Sample: 357789** **NS-GW-MW13D-1204** **Collected: 12/07/04** **Analyzed: 12/14/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 39% | | | | |
| Phenol-d5 (SURR**) | 26% | | | | |
| Nitrobenzene-d5 (SURR**) | 76% | | | | |
| 2-Fluorobiphenyl (SURR**) | 83% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 77% | | | | |
| Terphenyl-d14 (SURR**) | 54% | | | | |

All laboratory control and laboratory control spike duplicate recoveries were within QC limits.
Matrix spike duplicate recovery for Phenol was below QC limits.
Matrix spike and matrix spike duplicate recoveries for Naphthalene could not be quantitated effectively due to sample matrix and high dilution factor.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86235**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:34**

**Sample: 357790** **NS-GW-MW09 1204** **Collected: 12/07/04** **Analyzed: 12/14/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 100 | 150 | 500 |
| Acenaphthylene | ND | ug/L | 100 | 170 | 560 |
| Anthracene | ND | ug/L | 100 | 140 | 450 |
| Benzo[a]anthracene | ND | ug/L | 100 | 140 | 460 |
| Benzo[a]pyrene | ND | ug/L | 100 | 140 | 460 |
| Benzo[b]fluoranthene | ND | ug/L | 100 | 130 | 420 |
| Benzo[g,h,i]perylene | ND | ug/L | 100 | 130 | 450 |
| Benzo[k]fluoranthene | ND | ug/L | 100 | 170 | 560 |
| Chrysene | ND | ug/L | 100 | 140 | 460 |
| Dibenzo[a,h]anthracene | ND | ug/L | 100 | 130 | 440 |
| Dibenzofuran | ND | ug/L | 100 | 160 | 520 |
| Fluoranthene | ND | ug/L | 100 | 140 | 480 |
| Fluorene | ND | ug/L | 100 | 170 | 570 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 100 | 150 | 510 |
| 1-Methylnaphthalene | [300] | ug/L | 100 | 160 | 530 |
| 2-Methylnaphthalene | [440] | ug/L | 100 | 150 | 510 |
| 2-Methylphenol | ND | ug/L | 100 | 110 | 410 |
| 3 & 4-Methylphenol | ND | ug/L | 100 | 130 | 420 |
| Naphthalene | 2200 | ug/L | 100 | 170 | 550 |
| Phenanthrene | ND | ug/L | 100 | 140 | 480 |
| Phenol | ND | ug/L | 100 | 51 | 170 |
| Pyrene | ND | ug/L | 100 | 140 | 480 |
| Benzo[e]pyrene | ND | ug/L | 100 | 110 | 370 |
| 2-Fluorophenol (SURR**) | 48% | | | | |
| Phenol-d5 (SURR**) | 29% | | | | |
| Nitrobenzene-d5 (SURR**) | 82% | | | | |
| 2-Fluorobiphenyl (SURR**) | 100% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 73% | | | | |
| Terphenyl-d14 (SURR**) | 56% | | | | |

All laboratory control and laboratory control spike duplicate recoveries were within QC limits.

Matrix spike duplicate recovery for Phenol was below QC limits.

Matrix spike recovery for 2-Methylnaphthalene was outside QC limits.

Matrix spike and matrix spike duplicate recoveries for Naphthalene could not be quantitated effectively due to sample matrix and high dilution factor.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86235**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:34**

**Sample: 357791** **NS-GW-MW09A-1204** **Collected: 12/07/04** **Analyzed: 12/14/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | [4.1] | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | 6.3 | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | 25 | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 29% | | | | |
| Phenol-d5 (SURR**) | 23% | | | | |
| Nitrobenzene-d5 (SURR**) | 76% | | | | |
| 2-Fluorobiphenyl (SURR**) | 84% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 62% | | | | |
| Terphenyl-d14 (SURR**) | 55% | | | | |

All laboratory control and laboratory control spike duplicate recoveries were within QC limits.
Matrix spike duplicate recovery for Phenol was below QC limits.
Matrix spike recovery for 2-Methylnaphthalene was outside QC limits.
Matrix spike and matrix spike duplicate recoveries for Naphthalene could not be quantitated effectively due to sample matrix and high dilution factor.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86235**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:34**

**Sample: 357792** **NS-GW-MW095-1204** **Collected: 12/07/04** **Analyzed: 12/14/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 25 | 37 | 120 |
| Acenaphthylene | [53] | ug/L | 25 | 42 | 140 |
| Anthracene | ND | ug/L | 25 | 34 | 110 |
| Benzo[a]anthracene | ND | ug/L | 25 | 34 | 110 |
| Benzo[a]pyrene | ND | ug/L | 25 | 34 | 110 |
| Benzo[b]fluoranthene | ND | ug/L | 25 | 32 | 110 |
| Benzo[g,h,i]perylene | ND | ug/L | 25 | 34 | 110 |
| Benzo[k]fluoranthene | ND | ug/L | 25 | 42 | 140 |
| Chrysene | ND | ug/L | 25 | 35 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/L | 25 | 33 | 110 |
| Dibenzofuran | ND | ug/L | 25 | 39 | 130 |
| Fluoranthene | ND | ug/L | 25 | 36 | 120 |
| Fluorene | ND | ug/L | 25 | 43 | 140 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 25 | 39 | 130 |
| 1-Methylnaphthalene | 210 | ug/L | 25 | 40 | 130 |
| 2-Methylnaphthalene | 200 | ug/L | 25 | 38 | 130 |
| 2-Methylphenol | ND | ug/L | 25 | 28 | 100 |
| 3 & 4-Methylphenol | ND | ug/L | 25 | 32 | 110 |
| Naphthalene | 960 | ug/L | 25 | 41 | 140 |
| Phenanthrene | ND | ug/L | 25 | 36 | 120 |
| Phenol | ND | ug/L | 25 | 13 | 42 |
| Pyrene | ND | ug/L | 25 | 36 | 120 |
| Benzo[e]pyrene | ND | ug/L | 25 | 28 | 92 |
| 2-Fluorophenol (SURR**) | 41% | | | | |
| Phenol-d5 (SURR**) | 26% | | | | |
| Nitrobenzene-d5 (SURR**) | 77% | | | | |
| 2-Fluorobiphenyl (SURR**) | 92% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 76% | | | | |
| Terphenyl-d14 (SURR**) | 55% | | | | |

All laboratory control and laboratory control spike duplicate recoveries were within QC limits.

Matrix spike duplicate recovery for Phenol was below QC limits.

Matrix spike recoveries for 2-Methylnaphthalene and Acenaphthylene were outside QC limits.

Matrix spike and matrix spike duplicate recoveries for Naphthalene could not be quantitated effectively due to sample matrix and high dilution factor.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86235**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:34**

**Sample: 357793** **NS-GW-MW09C-1204 MS/MSD** **Collected: 12/07/04** **Analyzed: 12/14/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 20 | 30 | 100 |
| Acenaphthylene | [35] | ug/L | 20 | 34 | 110 |
| Anthracene | ND | ug/L | 20 | 27 | 90 |
| Benzo[a]anthracene | ND | ug/L | 20 | 28 | 92 |
| Benzo[a]pyrene | ND | ug/L | 20 | 28 | 92 |
| Benzo[b]fluoranthene | ND | ug/L | 20 | 25 | 84 |
| Benzo[g,h,i]perylene | ND | ug/L | 20 | 27 | 90 |
| Benzo[k]fluoranthene | ND | ug/L | 20 | 34 | 110 |
| Chrysene | ND | ug/L | 20 | 28 | 93 |
| Dibenzo[a,h]anthracene | ND | ug/L | 20 | 26 | 88 |
| Dibenzofuran | ND | ug/L | 20 | 31 | 100 |
| Fluoranthene | ND | ug/L | 20 | 29 | 95 |
| Fluorene | ND | ug/L | 20 | 34 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 20 | 31 | 100 |
| 1-Methylnaphthalene | [89] | ug/L | 20 | 32 | 110 |
| 2-Methylnaphthalene | 130 | ug/L | 20 | 31 | 100 |
| 2-Methylphenol | ND | ug/L | 20 | 22 | 82 |
| 3 & 4-Methylphenol | ND | ug/L | 20 | 25 | 84 |
| Naphthalene | 680 | ug/L | 20 | 33 | 110 |
| Phenanthrene | ND | ug/L | 20 | 29 | 95 |
| Phenol | ND | ug/L | 20 | 10 | 34 |
| Pyrene | ND | ug/L | 20 | 29 | 96 |
| Benzo[e]pyrene | ND | ug/L | 20 | 22 | 74 |
| 2-Fluorophenol (SURR**) | 42% | | | | |
| Phenol-d5 (SURR**) | 25% | | | | |
| Nitrobenzene-d5 (SURR**) | 77% | | | | |
| 2-Fluorobiphenyl (SURR**) | 89% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 69% | | | | |
| Terphenyl-d14 (SURR**) | 55% | | | | |

All laboratory control and laboratory control spike duplicate recoveries were within QC limits.
Matrix spike duplicate recovery for Phenol was below QC limits.
Matrix spike recoveries for 2-Methylnaphthalene and Acenaphthylene were outside QC limits.
Matrix spike and matrix spike duplicate recoveries for Naphthalene could not be quantitated effectively due to sample matrix and high dilution factor.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86235**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: 8270WNSP Printed: 01/24/2005 15:34**

**Sample: 357794 NS-GW-MW-14-1204** **Collected: 12/07/04** **Analyzed: 12/14/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 300 | 1000 |
| Acenaphthylene | ND | ug/L | 200 | 340 | 1100 |
| Anthracene | ND | ug/L | 200 | 270 | 900 |
| Benzo[a]anthracene | ND | ug/L | 200 | 280 | 920 |
| Benzo[a]pyrene | ND | ug/L | 200 | 280 | 920 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 250 | 840 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 270 | 900 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 340 | 1100 |
| Chrysene | ND | ug/L | 200 | 280 | 930 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 260 | 880 |
| Dibenzofuran | ND | ug/L | 200 | 310 | 1000 |
| Fluoranthene | ND | ug/L | 200 | 290 | 950 |
| Fluorene | ND | ug/L | 200 | 340 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 310 | 1000 |
| 1-Methylnaphthalene | [570] | ug/L | 200 | 320 | 1100 |
| 2-Methylnaphthalene | [540] | ug/L | 200 | 310 | 1000 |
| 2-Methylphenol | ND | ug/L | 200 | 220 | 820 |
| 3 & 4-Methylphenol | ND | ug/L | 200 | 250 | 840 |
| Naphthalene | 4800 | ug/L | 200 | 330 | 1100 |
| Phenanthrene | ND | ug/L | 200 | 290 | 950 |
| Phenol | ND | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 290 | 960 |
| Benzo[e]pyrene | ND | ug/L | 200 | 220 | 740 |
| 2-Fluorophenol (SURR**) | 45% | | | | |
| Phenol-d5 (SURR**) | 28% | | | | |
| Nitrobenzene-d5 (SURR**) | 65% | | | | |
| 2-Fluorobiphenyl (SURR**) | 96% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 65% | | | | |
| Terphenyl-d14 (SURR**) | 53% | | | | |

All laboratory control and laboratory control spike duplicate recoveries were within QC limits.

Matrix spike duplicate recovery for Phenol was below QC limits.

Matrix spike recovery for 2-Methylnaphthalene was outside QC limits.

Matrix spike and matrix spike duplicate recoveries for Naphthalene could not be quantitated effectively due to sample matrix and high dilution factor.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86235**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:34**

**Sample: 357795** **NS-GW-MW-11-1204** **Collected: 12/07/04** **Analyzed: 12/14/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 40% | | | | |
| Phenol-d5 (SURR**) | 25% | | | | |
| Nitrobenzene-d5 (SURR**) | 75% | | | | |
| 2-Fluorobiphenyl (SURR**) | 81% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 91% | | | | |
| Terphenyl-d14 (SURR**) | 55% | | | | |

All laboratory control and laboratory control spike duplicate recoveries were within QC limits.
Matrix spike duplicate recovery for Phenol was below QC limits.
Matrix spike and matrix spike duplicate recoveries for Naphthalene could not be quantitated effectively due to sample matrix and high dilution factor.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86235**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: 8270WNSP Printed: 01/24/2005 15:34**

**Sample: 357796 NS-GW-MW-0[illegible]-1204** **Collected: 12/07/04** **Analyzed: 12/14/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 17 | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | [3.0] | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | [1.5] | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | [3.7] | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | [4.5] | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | 17 | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | [1.7] | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | [2.1] | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 45% | | | | |
| Phenol-d5 (SURR**) | 29% | | | | |
| Nitrobenzene-d5 (SURR**) | 80% | | | | |
| 2-Fluorobiphenyl (SURR**) | 85% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 102% | | | | |
| Terphenyl-d14 (SURR**) | 53% | | | | |

All laboratory control and laboratory control spike duplicate recoveries were within QC limits.

Matrix spike duplicate recovery for Phenol was below QC limits.

Matrix spike recoveries for Acenaphthylene, Fluorene, and Phenanthrene were outside QC limits.

Matrix spike and matrix spike duplicate recoveries for Naphthalene could not be quantitated effectively due to sample matrix and high dilution factor.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86235**

**Project Description: Xcel R1/FS 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:34**

**Sample: 357797** **NS-WQ-Dup1-1204** **Collected: 12/07/04** **Analyzed: 12/14/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 41% | | | | |
| Phenol-d5 (SURR**) | 26% | | | | |
| Nitrobenzene-d5 (SURR**) | 73% | | | | |
| 2-Fluorobiphenyl (SURR**) | 79% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 90% | | | | |
| Terphenyl-d14 (SURR**) | 57% | | | | |

All laboratory control and laboratory control spike duplicate recoveries were within QC limits.

Matrix spike duplicate recovery for Phenol was below QC limits.

Matrix spike and matrix spike duplicate recoveries for Naphthalene could not be quantitated effectively due to sample matrix and high dilution factor.

** Surrogates are used to evaluate a method's Quality Control.

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel R1/FS 25688375

NLS Project: 86291
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

**NS-GW-MW05B-1204 NLS ID: 357961**
Ref. Line 2 COC 73742 NS-GW-MW05B-1204 Matrix: GW
Collected: 12/08/04 09:45 Received: 12/09/04
Notes: Hexavalent Chromium collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.14 | mg/L | 1 | 0.0042 | 0.015 | 12/13/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0090] | mg/L | 1 | 0.0042 | 0.015 | 12/13/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/17/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/17/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [3.4] | ug/L | 1 | 2.6 | 9.0 | 12/19/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [3.2] | ug/L | 1 | 2.6 | 9.0 | 12/19/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 490 | ug/L | 1 | 2.5* | 5.0 | 12/13/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 480 | ug/L | 1 | 2.5* | 5.0 | 12/13/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/14/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/13/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/13/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/13/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 91 | mg/L | 1 | 0.15* | 0.30 | 12/13/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 99 | mg/L | 1 | 0.15* | 0.30 | 12/13/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 5.0 | ug/L | 1 | 3.6* | | 12/09/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | ug/L | | 3.6* | | 12/15/04 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | |
| Chromium, tot. as Cr by ICP-Trace | [0.82] | ug/L | 1 | 0.51 | 1.8 | 12/13/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.57] | ug/L | 1 | 0.51 | 1.8 | 12/13/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | [0.93] | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/13/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/13/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | 0.065 | mg/L | 1 | 0.0050 | 0.015 | 12/22/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 0.74 | mg/L | 1 | 0.033 | 0.10 | 12/13/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 0.75 | mg/L | 1 | 0.033 | 0.10 | 12/13/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/13/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/13/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 55 | mg/L | 1 | 0.15* | 0.30 | 12/14/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 54 | mg/L | 1 | 0.15* | 0.30 | 12/13/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 170 | ug/L | 1 | 1.0* | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 180 | ug/L | 1 | 1.0* | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/14/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 12/14/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | [1.2] | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.8] | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 6.6 | mg/L | 1 | 0.53 | 1.9 | 12/15/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 5.9 | mg/L | 1 | 0.53 | 1.9 | 12/15/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 12/15/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 12/15/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 30 | mg/L | 1 | 0.012 | 0.044 | 12/15/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 27 | mg/L | 1 | 0.012 | 0.044 | 12/15/04 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86291
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**Client:** URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

**Project:** Xcel R1/FS 25688375

**NS-GW-MW05B-1204 NLS ID: 357961**
Ref. Line 2 COC 73742 NS-GW-MW05B-1204 Matrix: GW
Collected: 12/08/04 09:45 Received: 12/09/04
Notes: Hexavalent Chromium collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/17/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/17/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | [1.3] | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [0.92] | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/13/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/13/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/10/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/10/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/10/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/10/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/16/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/10/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 12/15/04 | SW846 8270C | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86291
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW05C-1204 NLS ID: 357962**
Ref. Line 3 COC 73742 NS-GW-MW05C-1204 Matrix: GW
Collected: 12/08/04 10:00 Received: 12/09/04
Notes: Hexavalent Chromium collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | [0.0080] | mg/L | 1 | 0.0042 | 0.015 | 12/13/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0080] | mg/L | 1 | 0.0042 | 0.015 | 12/13/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/17/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/17/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [2.8] | ug/L | 1 | 2.6 | 9.0 | 12/19/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 12/19/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 100 | ug/L | 1 | 2.5* | 5.0 | 12/13/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 100 | ug/L | 1 | 2.5* | 5.0 | 12/13/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/14/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/13/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/13/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/13/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 16 | mg/L | 1 | 0.15* | 0.30 | 12/13/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 17 | mg/L | 1 | 0.15* | 0.30 | 12/13/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 12/09/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 12/15/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [0.58] | ug/L | 1 | 0.51 | 1.8 | 12/13/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.80] | ug/L | 1 | 0.51 | 1.8 | 12/13/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/13/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/13/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 12/22/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 12/13/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 12/13/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/13/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [1.4] | ug/L | 1 | 0.87 | 3.0 | 12/13/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 6.5 | mg/L | 1 | 0.15* | 0.30 | 12/14/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 6.2 | mg/L | 1 | 0.15* | 0.30 | 12/13/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 14 | ug/L | 1 | 1.0* | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 13 | ug/L | 1 | 1.0* | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/14/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 12/14/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.4 | mg/L | 1 | 0.53 | 1.9 | 12/15/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 4.4 | mg/L | 1 | 0.53 | 1.9 | 12/15/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 12/15/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | [2.2] | ug/L | 1 | 1.6 | 5.5 | 12/15/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 15 | mg/L | 1 | 0.012 | 0.044 | 12/15/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 14 | mg/L | 1 | 0.012 | 0.044 | 12/15/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/17/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86291
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel R1/FS 25688375

**NS-GW-MW05C-1204 NLS ID: 357962**
Ref. Line 3 COC 73742 NS-GW-MW05C-1204 Matrix: GW
Collected: 12/08/04 10:00 Received: 12/09/04
Notes: Hexavalent Chromium collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/17/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [0.70] | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/13/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/13/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/10/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/10/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/10/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/10/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/16/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/10/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 12/15/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 86291
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW05A-1204 NLS ID: 357963**
Ref. Line 4 COC 73742 NS-GW-MW05A-1204 Matrix: GW
Collected: 12/08/04 10:15 Received: 12/09/04
Notes: Hexavalent Chromium collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.25 | mg/L | 1 | 0.0042 | 0.015 | 12/13/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0060] | mg/L | 1 | 0.0042 | 0.015 | 12/13/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/17/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/17/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 12/19/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 12/19/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 610 | ug/L | 1 | 2.5* | 5.0 | 12/13/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 590 | ug/L | 1 | 2.5* | 5.0 | 12/13/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/14/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/13/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/13/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | [0.19] | ug/L | 1 | 0.17 | 0.50 | 12/13/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 43 | mg/L | 1 | 0.15* | 0.30 | 12/13/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 45 | mg/L | 1 | 0.15* | 0.30 | 12/13/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 7.5 | ug/L | 1 | 3.6* | | 12/09/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | ug/L | | 3.6* | | 12/15/04 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | |
| Chromium, tot. as Cr by ICP-Trace | [0.87] | ug/L | 1 | 0.51 | 1.8 | 12/13/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.64] | ug/L | 1 | 0.51 | 1.8 | 12/13/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/13/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/13/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | 0.028 | mg/L | 1 | 0.0050 | 0.015 | 12/22/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 2.4 | mg/L | 1 | 0.033 | 0.10 | 12/13/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 1.7 | mg/L | 1 | 0.033 | 0.10 | 12/13/04 | SW846 6010 | 721026460 |
| Lead tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/13/04 | SW846 6010 | 721026460 |
| Lead dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/13/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 43 | mg/L | 1 | 0.15* | 0.30 | 12/14/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 42 | mg/L | 1 | 0.15* | 0.30 | 12/13/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 150 | ug/L | 1 | 1.0* | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 160 | ug/L | 1 | 1.0* | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/14/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 12/14/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 5.4 | mg/L | 1 | 0.53 | 1.9 | 12/15/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 5.2 | mg/L | 1 | 0.53 | 1.9 | 12/15/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 12/15/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | [2.0] | ug/L | 1 | 1.6 | 5.5 | 12/15/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 38 | mg/L | 1 | 0.012 | 0.044 | 12/15/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 36 | mg/L | 1 | 0.012 | 0.044 | 12/15/04 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86291
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel R1/FS 25688375

**NS-GW-MW05A-1204 NLS ID: 357963**
Ref. Line 4 COC 73742 NS-GW-MW05A-1204 Matrix: GW
Collected: 12/08/04 10:15 Received: 12/09/04
Notes: Hexavalent Chromium collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/17/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/17/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | [1.3] | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [1.1] | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/13/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/13/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/10/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/10/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/10/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/10/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/16/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/10/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 12/15/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 86291
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW05-1204 NLS ID: 357964**
Ref. Line 5 COC 73742 NS-GW-MW05-1204 Matrix: GW
Collected: 12/08/04 10:30 Received: 12/09/04
Notes: Hexavalent Chromium collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.62 | mg/L | 1 | 0.0042 | 0.015 | 12/13/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0090] | mg/L | 1 | 0.0042 | 0.015 | 12/13/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | [3.3] | ug/L | 1 | 3.2 | 11 | 12/17/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | [4.1] | ug/L | 1 | 3.2 | 11 | 12/17/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 12/19/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 12/19/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 110 | ug/L | 1 | 2.5* | 5.0 | 12/13/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 120 | ug/L | 1 | 2.5* | 5.0 | 12/13/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/14/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/13/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | 5.3 | ug/L | 1 | 0.17 | 0.50 | 12/13/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | 4.4 | ug/L | 1 | 0.17 | 0.50 | 12/13/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 230 | mg/L | 1 | 0.15* | 0.30 | 12/13/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 240 | mg/L | 1 | 0.15* | 0.30 | 12/13/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 13 | ug/L | 1 | 3.6* | | 12/09/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | ug/L | | 3.6* | | 12/15/04 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | |
| Chromium, tot. as Cr by ICP-Trace | ND | ug/L | 5 | 2.6 | 9.0 | 12/14/04 | SW846 6010 | 721026460 |
| | Dilution required to reduce matrix interferences. | | | | | | | |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 5 | 2.6 | 9.0 | 12/14/04 | SW846 6010 | 721026460 |
| | Dilution required to reduce matrix interferences. | | | | | | | |
| Cobalt, tot. as Co by ICP-Trace | 2.6 | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | 2.6 | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 13 | ug/L | 1 | 1.3 | 4.0 | 12/13/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | [3.6] | ug/L | 1 | 1.3 | 4.0 | 12/13/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 12/22/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 4.8 | mg/L | 1 | 0.033 | 0.10 | 12/13/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 3.2 | mg/L | 1 | 0.033 | 0.10 | 12/13/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | [2.5] | ug/L | 1 | 0.87 | 3.0 | 12/13/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [1.3] | ug/L | 1 | 0.87 | 3.0 | 12/13/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 49 | mg/L | 1 | 0.15* | 0.30 | 12/14/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 46 | mg/L | 1 | 0.15* | 0.30 | 12/13/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 9600 | ug/L | 5 | 5.0* | 10 | 12/14/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 8300 | ug/L | 5 | 5.0* | 10 | 12/14/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/14/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | 0.18 | ug/L | 1 | 0.025 | 0.050 | 12/14/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 38 | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 35 | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 15 | mg/L | 1 | 0.53 | 1.9 | 12/15/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 16 | mg/L | 1 | 0.53 | 1.9 | 12/15/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 12/15/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 12/15/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Ben Nelson**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 86291**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel R1/FS 25688375**

**NS-GW-MW05-1204 NLS ID: 357964**
Ref. Line 5 COC 73742 NS-GW-MW05-1204 Matrix: GW
Collected: 12/08/04 10:30 Received: 12/09/04
Notes: Hexavalent Chromium collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Sodium, dis. as Na | 66 | mg/L | 1 | 0.012 | 0.044 | 12/15/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 66 | mg/L | 1 | 0.012 | 0.044 | 12/15/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/17/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/17/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | [1.5] | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 1900 | ug/L | 1 | 5.0* | 10 | 12/13/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | 1700 | ug/L | 1 | 5.0* | 10 | 12/13/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/10/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/10/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/10/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/10/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/16/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/10/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 12/15/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 86291
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW19A-1204 MS/MSD NLS ID: 357965**
Ref. Line 6 COC 73742 NS-GW-MW19A-1204 MS/MSD Matrix: GW
Collected: 12/08/04 12:10 Received: 12/09/04
Notes: Hexavalent Chromium collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.90 | mg/L | 1 | 0.0042 | 0.015 | 12/13/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.010] | mg/L | 1 | 0.0042 | 0.015 | 12/13/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/17/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/17/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 12/19/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 12/19/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 200 | ug/L | 1 | 2.5* | 5.0 | 12/13/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 190 | ug/L | 1 | 2.5* | 5.0 | 12/13/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/14/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/13/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/13/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/13/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 68 | mg/L | 1 | 0.15* | 0.30 | 12/13/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 71 | mg/L | 1 | 0.15* | 0.30 | 12/13/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 12/09/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 12/15/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [1.7] | ug/L | 1 | 0.51 | 1.8 | 12/13/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.95] | ug/L | 1 | 0.51 | 1.8 | 12/13/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/13/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/13/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.0090] | mg/L | 1 | 0.0050 | 0.015 | 12/22/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 0.69 | mg/L | 1 | 0.033 | 0.10 | 12/13/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | [0.038] | mg/L | 1 | 0.033 | 0.10 | 12/13/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/13/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/13/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 38 | mg/L | 1 | 0.15* | 0.30 | 12/14/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 37 | mg/L | 1 | 0.15* | 0.30 | 12/13/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 130 | ug/L | 1 | 1.0* | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 150 | ug/L | 1 | 1.0* | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/14/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 12/14/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | [1.2] | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 11 | mg/L | 1 | 0.53 | 1.9 | 12/15/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 9.5 | mg/L | 1 | 0.53 | 1.9 | 12/15/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | [3.2] | ug/L | 1 | 1.6 | 5.5 | 12/15/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 12/15/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 36 | mg/L | 1 | 0.012 | 0.044 | 12/15/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 32 | mg/L | 1 | 0.012 | 0.044 | 12/15/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/17/04 | SW846 7841 | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86291
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
*10200 West Innovation Drive #500*
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW19A-1204 MS/MSD NLS ID: 357965**
Ref. Line 6 COC 73742 NS-GW-MW19A-1204 MS/MSD Matrix: GW
Collected: 12/08/04 12:10 Received: 12/09/04
Notes: Hexavalent Chromium collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/17/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 2.9 | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [1.7] | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | [5.0] | ug/L | 1 | 5.0* | 10 | 12/13/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/13/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/10/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/10/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/10/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/10/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/16/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/10/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 12/15/04 | SW846 8270C | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 86291
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW19B-1204 NLS ID: 357966**
Ref. Line 7 COC 73742 NS-GW-MW19B-1204 Matrix: GW
Collected: 12/08/04 12:30 Received: 12/09/04
Notes: Hexavalent Chromium collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | [0.011] | mg/L | 1 | 0.0042 | 0.015 | 12/13/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0070] | mg/L | 1 | 0.0042 | 0.015 | 12/13/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/17/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/17/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [4.2] | ug/L | 1 | 2.6 | 9.0 | 12/19/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [2.7] | ug/L | 1 | 2.6 | 9.0 | 12/19/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 190 | ug/L | 1 | 2.5* | 5.0 | 12/13/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 190 | ug/L | 1 | 2.5* | 5.0 | 12/13/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/14/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/13/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/13/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | [0.39] | ug/L | 1 | 0.17 | 0.50 | 12/13/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 46 | mg/L | 1 | 0.15* | 0.30 | 12/13/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 46 | mg/L | 1 | 0.15* | 0.30 | 12/13/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 8.8 | ug/L | 1 | 3.6* | | 12/09/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | ug/L | | 3.6* | | 12/15/04 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | |
| Chromium, tot. as Cr by ICP-Trace | [0.80] | ug/L | 1 | 0.51 | 1.8 | 12/13/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.87] | ug/L | 1 | 0.51 | 1.8 | 12/13/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/13/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/13/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 12/22/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | [0.048] | mg/L | 1 | 0.033 | 0.10 | 12/13/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | [0.044] | mg/L | 1 | 0.033 | 0.10 | 12/13/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/13/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [1.2] | ug/L | 1 | 0.87 | 3.0 | 12/13/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 25 | mg/L | 1 | 0.15* | 0.30 | 12/14/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 23 | mg/L | 1 | 0.15* | 0.30 | 12/13/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 93 | ug/L | 1 | 1.0* | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 90 | ug/L | 1 | 1.0* | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/14/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 12/14/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.7 | mg/L | 1 | 0.53 | 1.9 | 12/15/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 4.8 | mg/L | 1 | 0.53 | 1.9 | 12/15/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 12/15/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 12/15/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 21 | mg/L | 1 | 0.012 | 0.044 | 12/15/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 21 | mg/L | 1 | 0.012 | 0.044 | 12/15/04 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86291
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel R1/FS 25688375

**NS-GW-MW19B-1204 NLS ID: 357966**
Ref. Line 7 COC 73742 NS-GW-MW19B-1204 Matrix: GW
Collected: 12/08/04 12:30 Received: 12/09/04
Notes: Hexavalent Chromium collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/17/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/17/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/13/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/13/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/10/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/10/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/10/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/10/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/16/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/10/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 12/15/04 | SW846 8270C | 721026460 |

NORTHERN [illegible]E SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel R1/FS 25688375

NLS Project: 86291
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**NS-WQ-Dup2-1204 NLS ID: 357967**
Ref. Line 8 COC 73742 NS-WQ-Dup2-1204 Matrix: GW
Collected: 12/08/04 12:45 Received: 12/09/04
Notes: Hexavalent Chromium collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | [0.0090] | mg/L | 1 | 0.0042 | 0.015 | 12/13/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 12/13/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/17/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/17/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [3.2] | ug/L | 1 | 2.6 | 9.0 | 12/19/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 12/19/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 190 | ug/L | 1 | 2.5* | 5.0 | 12/13/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 190 | ug/L | 1 | 2.5* | 5.0 | 12/13/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/14/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/13/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/13/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/13/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 46 | mg/L | 1 | 0.15* | 0.30 | 12/13/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 48 | mg/L | 1 | 0.15* | 0.30 | 12/13/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 12/09/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 12/15/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [0.71] | ug/L | 1 | 0.51 | 1.8 | 12/13/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 12/13/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/13/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/13/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 12/22/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | [0.045] | mg/L | 1 | 0.033 | 0.10 | 12/13/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | [0.041] | mg/L | 1 | 0.033 | 0.10 | 12/13/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/13/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/13/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 25 | mg/L | 1 | 0.15* | 0.30 | 12/14/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 24 | mg/L | 1 | 0.15* | 0.30 | 12/13/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 92 | ug/L | 1 | 1.0* | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 93 | ug/L | 1 | 1.0* | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/14/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 12/14/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.9 | mg/L | 1 | 0.53 | 1.9 | 12/15/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 4.9 | mg/L | 1 | 0.53 | 1.9 | 12/15/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 12/15/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 12/15/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 21 | mg/L | 1 | 0.012 | 0.044 | 12/15/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 21 | mg/L | 1 | 0.012 | 0.044 | 12/15/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/17/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86291
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-WQ-Dup2-1204 NLS ID: 357967**
Ref. Line 8 COC 73742 NS-WQ-Dup2-1204 Matrix: GW
Collected: 12/08/04 12:45 Received: 12/09/04
Notes: Hexavalent Chromium collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/17/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [0.81] | ug/L | 1 | 0.67 | 2.0 | 12/13/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/13/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/13/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/10/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/10/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/10/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/10/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/16/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/10/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 12/15/04 | SW846 8270C | 721026460 |

**NS-WQTrip Blank2-1204 NLS ID: 357968**
Ref. Line 9 COC 73742 NS-WQTrip Blank2-1204 Matrix: TB
Collected: 12/08/04 00:00 Received: 12/09/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 12/16/04 | SW846 8260 | 721026460 |

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

# ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86291**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: SAT2NSP** **Printed: 01/24/2005 15:35**

**Sample: 357961** **NS-GW-MW053-1204** **Collected: 12/08/04** **Analyzed: 12/16/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 35000 | ug/L | 2500 | 290 | 960 |
| sec-Butylbenzene | ND | ug/L | 2500 | 390 | 1300 |
| Ethylbenzene | [690] | ug/L | 2500 | 350 | 1200 |
| ortho-Xylene | 1800 | ug/L | 2500 | 330 | 1100 |
| Styrene | 4900 | ug/L | 2500 | 350 | 1200 |
| Toluene | 20000 | ug/L | 2500 | 510 | 1900 |
| 1,2,4-Trimethylbenzene | [520] | ug/L | 2500 | 360 | 1200 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 2500 | 310 | 1000 |
| meta,para-Xylene | 3300 | ug/L | 2500 | 660 | 2200 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 2500 | 510 | 1700 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 106% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

**Sample: 357962** **NS-GW-MW05[illegible]-1204** **Collected: 12/08/04** **Analyzed: 12/16/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | 3.4 | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 101% | | | | |
| Toluene-d8 (SURR**) | 104% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 97% | | | | |

**Sample: 357963** **NS-GW-MW05[illegible]-1204** **Collected: 12/08/04** **Analyzed: 12/16/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 31000 | ug/L | 2500 | 290 | 960 |
| sec-Butylbenzene | ND | ug/L | 2500 | 390 | 1300 |
| Ethylbenzene | 3800 | ug/L | 2500 | 350 | 1200 |
| ortho-Xylene | 1200 | ug/L | 2500 | 330 | 1100 |
| Styrene | ND | ug/L | 2500 | 350 | 1200 |
| Toluene | 9700 | ug/L | 2500 | 510 | 1900 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 2500 | 360 | 1200 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 2500 | 310 | 1000 |
| meta,para-Xylene | 2300 | ug/L | 2500 | 660 | 2200 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 2500 | 510 | 1700 |
| Dibromofluoromethane (SURR**) | 102% | | | | |
| Toluene-d8 (SURR**) | 107% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86291**

**Project Description: Xcel R1/FS 25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 01/24/2005 15:35**

**Sample: 357964** **NS-GW-MW05-1204** **Collected: 12/08/04** **Analyzed: 12/16/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 39 | ug/L | 5 | 0.58 | 1.9 |
| sec-Butylbenzene | ND | ug/L | 5 | 0.79 | 2.6 |
| Ethylbenzene | 22 | ug/L | 5 | 0.71 | 2.3 |
| ortho-Xylene | 12 | ug/L | 5 | 0.67 | 2.2 |
| Styrene | 17 | ug/L | 5 | 0.70 | 2.3 |
| Toluene | 63 | ug/L | 5 | 1.0 | 3.9 |
| 1,2,4-Trimethylbenzene | 7.8 | ug/L | 5 | 0.72 | 2.4 |
| 1,3,5-Trimethylbenzene | [1.9] | ug/L | 5 | 0.61 | 2.0 |
| meta,para-Xylene | 30 | ug/L | 5 | 1.3 | 4.4 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 5 | 1.0 | 3.4 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 109% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 98% | | | | |

**Sample: 357965** **NS-GW-MW19A-1204 MS/MSD** **Collected: 12/08/04** **Analyzed: 12/16/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 27000 | ug/L | 2500 | 290 | 960 |
| sec-Butylbenzene | ND | ug/L | 2500 | 390 | 1300 |
| Ethylbenzene | [610] | ug/L | 2500 | 350 | 1200 |
| ortho-Xylene | 1500 | ug/L | 2500 | 330 | 1100 |
| Styrene | 3900 | ug/L | 2500 | 350 | 1200 |
| Toluene | 18000 | ug/L | 2500 | 510 | 1900 |
| 1,2,4-Trimethylbenzene | [530] | ug/L | 2500 | 360 | 1200 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 2500 | 310 | 1000 |
| meta,para-Xylene | 2900 | ug/L | 2500 | 660 | 2200 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 2500 | 510 | 1700 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 108% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 98% | | | | |

**Sample: 357966** **NS-GW-MW19B-1204** **Collected: 12/08/04** **Analyzed: 12/16/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 6700 | ug/L | 500 | 58 | 190 |
| sec-Butylbenzene | ND | ug/L | 500 | 79 | 260 |
| Ethylbenzene | 330 | ug/L | 500 | 71 | 230 |
| ortho-Xylene | 850 | ug/L | 500 | 67 | 220 |
| Styrene | 2400 | ug/L | 500 | 70 | 230 |
| Toluene | 8200 | ug/L | 500 | 100 | 390 |
| 1,2,4-Trimethylbenzene | 290 | ug/L | 500 | 72 | 240 |
| 1,3,5-Trimethylbenzene | [71] | ug/L | 500 | 61 | 200 |
| meta,para-Xylene | 1700 | ug/L | 500 | 130 | 440 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 500 | 100 | 340 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 108% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 96% | | | | |

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86291**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: SAT2NSP** **Printed: 01/24/2005 15:35**

**Sample: 357967 NS-WQ-Dup2-1204** **Collected: 12/08/04** **Analyzed: 12/16/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 6900 | ug/L | 800 | 92 | 310 |
| sec-Butylbenzene | ND | ug/L | 800 | 130 | 420 |
| Ethylbenzene | [340] | ug/L | 800 | 110 | 380 |
| ortho-Xylene | 910 | ug/L | 800 | 110 | 350 |
| Styrene | 2400 | ug/L | 800 | 110 | 370 |
| Toluene | 8500 | ug/L | 800 | 160 | 620 |
| 1,2,4-Trimethylbenzene | [310] | ug/L | 800 | 120 | 380 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 800 | 98 | 330 |
| meta,para-Xylene | 1800 | ug/L | 800 | 210 | 700 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 800 | 160 | 550 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 106% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

**Sample: 357968 NS-WQTrip Blank2-1204** **Collected: 12/08/04** **Analyzed: 12/16/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | 2.4 | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 107% | | | | |
| Toluene-d8 (SURR**) | 112% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86291**

**Project Description: Xcel R1/FS 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:35**

**Sample: 357961** **NS-GW-MW05B-1204** **Collected: 12/08/04** **Analyzed: 12/15/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 300 | 1000 |
| Acenaphthylene | [400] | ug/L | 200 | 340 | 1100 |
| Anthracene | ND | ug/L | 200 | 270 | 900 |
| Benzo[a]anthracene | ND | ug/L | 200 | 280 | 920 |
| Benzo[a]pyrene | ND | ug/L | 200 | 280 | 920 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 250 | 840 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 270 | 900 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 340 | 1100 |
| Chrysene | ND | ug/L | 200 | 280 | 930 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 260 | 880 |
| Dibenzofuran | ND | ug/L | 200 | 310 | 1000 |
| Fluoranthene | ND | ug/L | 200 | 290 | 950 |
| Fluorene | ND | ug/L | 200 | 340 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 310 | 1000 |
| 1-Methylnaphthalene | [1000] | ug/L | 200 | 320 | 1100 |
| 2-Methylnaphthalene | 1500 | ug/L | 200 | 310 | 1000 |
| 2-Methylphenol | 1100 | ug/L | 200 | 220 | 820 |
| 3 & 4-Methylphenol | 1800 | ug/L | 200 | 250 | 840 |
| Naphthalene | 7200 | ug/L | 200 | 330 | 1100 |
| Phenanthrene | ND | ug/L | 200 | 290 | 950 |
| Phenol | 630 | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 290 | 960 |
| Benzo[e]pyrene | ND | ug/L | 200 | 220 | 740 |
| 2-Fluorophenol (SURR**) | 51% | | | | |
| Phenol-d5 (SURR**) | 25% | | | | |
| Nitrobenzene-d5 (SURR**) | 69% | | | | |
| 2-Fluorobiphenyl (SURR**) | 87% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 84% | | | | |
| Terphenyl-d14 (SURR**) | 55% | | | | |

Matrix spike and matrix spike duplicate recoveries for Naphthalene were outside QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86291**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:35**

**Sample: 357962** **NS-GW-MW05C-1204** **Collected: 12/08/04** **Analyzed: 12/15/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 38% | | | | |
| Phenol-d5 (SURR**) | 24% | | | | |
| Nitrobenzene-d5 (SURR**) | 68% | | | | |
| 2-Fluorobiphenyl (SURR**) | 74% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 83% | | | | |
| Terphenyl-d14 (SURR**) | 61% | | | | |

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86291**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:35**

**Sample: 357963** **NS-GW-MW05A-1204** **Collected: 12/08/04** **Analyzed: 12/15/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 100 | 150 | 500 |
| Acenaphthylene | ND | ug/L | 100 | 170 | 560 |
| Anthracene | ND | ug/L | 100 | 140 | 450 |
| Benzo[a]anthracene | ND | ug/L | 100 | 140 | 460 |
| Benzo[a]pyrene | ND | ug/L | 100 | 140 | 460 |
| Benzo[b]fluoranthene | ND | ug/L | 100 | 130 | 420 |
| Benzo[g,h,i]perylene | ND | ug/L | 100 | 130 | 450 |
| Benzo[k]fluoranthene | ND | ug/L | 100 | 170 | 560 |
| Chrysene | ND | ug/L | 100 | 140 | 460 |
| Dibenzo[a,h]anthracene | ND | ug/L | 100 | 130 | 440 |
| Dibenzofuran | ND | ug/L | 100 | 160 | 520 |
| Fluoranthene | ND | ug/L | 100 | 140 | 480 |
| Fluorene | ND | ug/L | 100 | 170 | 570 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 100 | 150 | 510 |
| 1-Methylnaphthalene | [350] | ug/L | 100 | 160 | 530 |
| 2-Methylnaphthalene | [450] | ug/L | 100 | 150 | 510 |
| 2-Methylphenol | 840 | ug/L | 100 | 110 | 410 |
| 3 & 4-Methylphenol | 1100 | ug/L | 100 | 130 | 420 |
| Naphthalene | 4000 | ug/L | 100 | 170 | 550 |
| Phenanthrene | ND | ug/L | 100 | 140 | 480 |
| Phenol | ND | ug/L | 100 | 51 | 170 |
| Pyrene | ND | ug/L | 100 | 140 | 480 |
| Benzo[e]pyrene | ND | ug/L | 100 | 110 | 370 |
| 2-Fluorophenol (SURR**) | 58% | | | | |
| Phenol-d5 (SURR**) | 29% | | | | |
| Nitrobenzene-d5 (SURR**) | 86% | | | | |
| 2-Fluorobiphenyl (SURR**) | 98% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 96% | | | | |
| Terphenyl-d14 (SURR**) | 69% | | | | |

Matrix spike and matrix spike duplicate recoveries for Naphthalene were outside QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86291**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:35**

**Sample: 357964** **NS-GW-MW05 1204** **Collected: 12/08/04** **Analyzed: 12/15/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [2.5] | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 40% | | | | |
| Phenol-d5 (SURR**) | 27% | | | | |
| Nitrobenzene-d5 (SURR**) | 75% | | | | |
| 2-Fluorobiphenyl (SURR**) | 82% | | | | |
| 2,4 6-Tribromophenol (SURR**) | 99% | | | | |
| Terphenyl-d14 (SURR**) | 63% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86291**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:35**

**Sample: 357965** **NS-GW-MW19A-1204 MS/MSD** **Collected: 12/08/04** **Analyzed: 12/15/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 250 | 370 | 1200 |
| Acenaphthylene | ND | ug/L | 250 | 420 | 1400 |
| Anthracene | ND | ug/L | 250 | 340 | 1100 |
| Benzo[a]anthracene | ND | ug/L | 250 | 340 | 1100 |
| Benzo[a]pyrene | ND | ug/L | 250 | 340 | 1100 |
| Benzo[b]fluoranthene | ND | ug/L | 250 | 320 | 1100 |
| Benzo[g,h,i]perylene | ND | ug/L | 250 | 340 | 1100 |
| Benzo[k]fluoranthene | ND | ug/L | 250 | 420 | 1400 |
| Chrysene | ND | ug/L | 250 | 350 | 1200 |
| Dibenzo[a,h]anthracene | ND | ug/L | 250 | 330 | 1100 |
| Dibenzofuran | ND | ug/L | 250 | 390 | 1300 |
| Fluoranthene | ND | ug/L | 250 | 360 | 1200 |
| Fluorene | ND | ug/L | 250 | 430 | 1400 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 250 | 390 | 1300 |
| 1-Methylnaphthalene | [750] | ug/L | 250 | 400 | 1300 |
| 2-Methylnaphthalene | [1100] | ug/L | 250 | 380 | 1300 |
| 2-Methylphenol | [380] | ug/L | 250 | 280 | 1000 |
| 3 & 4-Methylphenol | [590] | ug/L | 250 | 320 | 1100 |
| Naphthalene | 6700 | ug/L | 250 | 410 | 1400 |
| Phenanthrene | ND | ug/L | 250 | 360 | 1200 |
| Phenol | [140] | ug/L | 250 | 130 | 420 |
| Pyrene | ND | ug/L | 250 | 360 | 1200 |
| Benzo[e]pyrene | ND | ug/L | 250 | 280 | 920 |
| 2-Fluorophenol (SURR**) | 36% | | | | |
| Phenol-d5 (SURR**) | 23% | | | | |
| Nitrobenzene-d5 (SURR**) | 75% | | | | |
| 2-Fluorobiphenyl (SURR**) | 87% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 84% | | | | |
| Terphenyl-d14 (SURR**) | 67% | | | | |

A 50 fold dilution was performed during extraction.

*Matrix spike and matrix spike duplicate recoveries for Naphthalene were outside QC limits.*

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86291**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:35**

**Sample: 357966** **NS-GW-MW193-1204** **Collected: 12/08/04** **Analyzed: 12/15/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 300 | 1000 |
| Acenaphthylene | ND | ug/L | 200 | 340 | 1100 |
| Anthracene | ND | ug/L | 200 | 270 | 900 |
| Benzo[a]anthracene | ND | ug/L | 200 | 280 | 920 |
| Benzo[a]pyrene | ND | ug/L | 200 | 280 | 920 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 250 | 840 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 270 | 900 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 340 | 1100 |
| Chrysene | ND | ug/L | 200 | 280 | 930 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 260 | 880 |
| Dibenzofuran | ND | ug/L | 200 | 310 | 1000 |
| Fluoranthene | ND | ug/L | 200 | 290 | 950 |
| Fluorene | ND | ug/L | 200 | 340 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 310 | 1000 |
| *1-Methylnaphthalene* | *[520]* | *ug/L* | *200* | *320* | *1100* |
| 2-Methylnaphthalene | [730] | ug/L | 200 | 310 | 1000 |
| 2-Methylphenol | ND | ug/L | 200 | 220 | 820 |
| 3 & 4-Methylphenol | ND | ug/L | 200 | 250 | 840 |
| Naphthalene | 4400 | ug/L | 200 | 330 | 1100 |
| Phenanthrene | ND | ug/L | 200 | 290 | 950 |
| Phenol | ND | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 290 | 960 |
| Benzo[e]pyrene | ND | ug/L | 200 | 220 | 740 |
| 2-Fluorophenol (SURR**) | 47% | | | | |
| Phenol-d5 (SURR**) | 27% | | | | |
| Nitrobenzene-d5 (SURR**) | 81% | | | | |
| 2-Fluorobiphenyl (SURR**) | 95% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 64% | | | | |
| Terphenyl-d14 (SURR**) | 62% | | | | |

Matrix spike and matrix spike duplicate recoveries for Naphthalene were outside QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86291**

**Project Description: Xcel R1/FS 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:35**

**Sample: 357967** **NS-WQ-Dup2-1204** **Collected: 12/08/04** **Analyzed: 12/15/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 300 | 1000 |
| Acenaphthylene | ND | ug/L | 200 | 340 | 1100 |
| Anthracene | ND | ug/L | 200 | 270 | 900 |
| Benzo[a]anthracene | ND | ug/L | 200 | 280 | 920 |
| Benzo[a]pyrene | ND | ug/L | 200 | 280 | 920 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 250 | 840 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 270 | 900 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 340 | 1100 |
| Chrysene | ND | ug/L | 200 | 280 | 930 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 260 | 880 |
| Dibenzofuran | ND | ug/L | 200 | 310 | 1000 |
| Fluoranthene | ND | ug/L | 200 | 290 | 950 |
| Fluorene | ND | ug/L | 200 | 340 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 310 | 1000 |
| 1-Methylnaphthalene | [510] | ug/L | 200 | 320 | 1100 |
| 2-Methylnaphthalene | [710] | ug/L | 200 | 310 | 1000 |
| 2-Methylphenol | ND | ug/L | 200 | 220 | 820 |
| 3 & 4-Methylphenol | ND | ug/L | 200 | 250 | 840 |
| Naphthalene | 4300 | ug/L | 200 | 330 | 1100 |
| Phenanthrene | ND | ug/L | 200 | 290 | 950 |
| Phenol | ND | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 290 | 960 |
| Benzo[e]pyrene | ND | ug/L | 200 | 220 | 740 |
| 2-Fluorophenol (SURR**) | 41% | | | | |
| Phenol-d5 (SURR**) | 27% | | | | |
| Nitrobenzene-d5 (SURR**) | 73% | | | | |
| 2-Fluorobiphenyl (SURR**) | 90% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 58% | | | | |
| Terphenyl-d14 (SURR**) | 58% | | | | |

Matrix spike and matrix spike duplicate recoveries for Naphthalene were outside QC limits.

** Surrogates are used to evaluate a method's Quality Control.

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 86326
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW06A-1204 NLS ID: 358144**
Ref. Line 1 COC NS-GW-MW06A-1204 Matrix: GW
Collected: 12/09/04 08:45 Received: 12/10/04
*Notes: Hexavalent Chromium taken after 13:00*

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 12/14/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 12/14/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | [4.1] | ug/L | 1 | 3.2 | 11 | 12/18/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | [3.6] | ug/L | 1 | 3.2 | 11 | 12/18/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 12/20/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [2.7] | ug/L | 1 | 2.6 | 9.0 | 12/20/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 690 | ug/L | 1 | 2.5* | 5.0 | 12/14/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 630 | ug/L | 1 | 2.5* | 5.0 | 12/14/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/16/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/15/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/14/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/14/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 270 | mg/L | 1 | 0.15* | 0.30 | 12/14/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 270 | mg/L | 1 | 0.15* | 0.30 | 12/14/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 8.1 | ug/L | 1 | 3.6* | | 12/10/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | ug/L | | 3.6* | | 12/15/04 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | |
| Chromium, tot. as Cr by ICP-Trace | 2.0 | ug/L | 1 | 0.51 | 1.8 | 12/14/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [1.5] | ug/L | 1 | 0.51 | 1.8 | 12/14/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | [1.7] | ug/L | 1 | 1.3 | 4.0 | 12/14/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | [2.9] | ug/L | 1 | 1.3 | 4.0 | 12/14/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 12/22/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 12/14/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 12/14/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | [0.97] | ug/L | 1 | 0.87 | 3.0 | 12/14/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/14/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 120 | mg/L | 1 | 0.15* | 0.30 | 12/14/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 120 | mg/L | 1 | 0.15* | 0.30 | 12/14/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 44 | ug/L | 1 | 1.0* | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 98 | ug/L | 1 | 1.0* | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/14/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 12/14/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | [1.8] | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 2.9 | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 7.5 | mg/L | 1 | 0.53 | 1.9 | 12/15/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 7.7 | mg/L | 1 | 0.53 | 1.9 | 12/15/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 12/29/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 12/29/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 290 | mg/L | 1 | 0.012 | 0.044 | 12/15/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 320 | mg/L | 1 | 0.012 | 0.044 | 12/15/04 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86326
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel R1/FS 25688375

**NS-GW-MW06A-1204 NLS ID: 358144**
Ref. Line 1 COC NS-GW-MW06A-1204 Matrix: GW
Collected: 12/09/04 08:45 Received: 12/10/04
Notes: Hexavalent Chromium taken after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/28/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/28/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 9.8 | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 9.8 | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/14/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/14/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/11/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/11/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/11/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/11/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/19/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/13/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 12/17/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 86326
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW15B-1204 NLS ID: 358145**
Ref. Line 2 COC 73754 NS-GW-MW15B-1204 Matrix: GW
Collected: 12/09/04 09:30 Received: 12/10/04
Notes: Hexavalent Chromium taken after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | [0.0080] | mg/L | 1 | 0.0042 | 0.015 | 12/14/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 12/14/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/18/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/18/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 12/20/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 2 | 5.1 | 18 | 12/20/04 | SW846 7060 | 721026460 |
| | Matrix spikes were outside control limits. A dilution was performed and the recoveries did not improve. Problem attributed to sample matrix. | | | | | | | |
| Barium, tot. as Ba by ICP-Trace | 210 | ug/L | 1 | 2.5* | 5.0 | 12/14/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 210 | ug/L | 1 | 2.5* | 5.0 | 12/14/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | [0.33] | ug/L | 1 | 0.17 | 0.50 | 12/16/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/15/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/14/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/14/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 190 | mg/L | 1 | 0.15* | 0.30 | 12/14/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 200 | mg/L | 1 | 0.15* | 0.30 | 12/14/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 12/10/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 12/15/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 2.0 | ug/L | 1 | 0.51 | 1.8 | 12/14/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | 2.0 | ug/L | 1 | 0.51 | 1.8 | 12/14/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | [2.6] | ug/L | 1 | 1.3 | 4.0 | 12/14/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | [3.2] | ug/L | 1 | 1.3 | 4.0 | 12/14/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 12/22/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 12/14/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | [0.046] | mg/L | 1 | 0.033 | 0.10 | 12/14/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/14/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [1.1] | ug/L | 1 | 0.87 | 3.0 | 12/14/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 91 | mg/L | 1 | 0.15* | 0.30 | 12/14/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 93 | mg/L | 1 | 0.15* | 0.30 | 12/14/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 110 | ug/L | 1 | 1.0* | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 120 | ug/L | 1 | 1.0* | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/14/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 12/14/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 2.8 | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 2.5 | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 7.2 | mg/L | 1 | 0.53 | 1.9 | 12/15/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 7.1 | mg/L | 1 | 0.53 | 1.9 | 12/15/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 12/29/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 2 | 3.2 | 11 | 12/29/04 | SW846 7740 | 721026460 |
| | Spike recovery was outside control limits. Dilution and re-analysis did not improve recovery. Problem attributed to sample matrix. | | | | | | | |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86326
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel R1/FS 25688375

**NS-GW-MW15B-1204 NLS ID: 358145**
Ref. Line 2 COC 73754 NS-GW-MW15B-1204 Matrix: GW
Collected: 12/09/04 09:30 Received: 12/10/04
Notes: Hexavalent Chromium taken after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 52 | mg/L | 1 | 0.012 | 0.044 | 12/15/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 52 | mg/L | 1 | 0.012 | 0.044 | 12/15/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/28/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/28/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 4.4 | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 4.1 | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/14/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [5.4] | ug/L | 1 | 5.0* | 10 | 12/14/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/11/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/11/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/11/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/11/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/19/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/13/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 12/17/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86326
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW04-1204 NLS ID: 358146**
Ref. Line 3 COC 73754 NS-GW-MW04-1204 Matrix: GW
Collected: 12/09/04 11:00 Received: 12/10/04
Notes: Hexavalent Chromium taken after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 2.1 | mg/L | 1 | 0.0042 | 0.015 | 12/14/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.011] | mg/L | 1 | 0.0042 | 0.015 | 12/14/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/18/04 | SW846 7041 | 721026460 |
| | Duplicate values were outside control limits on duplicate spikes. | | | | | | | |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/18/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [7.0] | ug/L | 1 | 2.6 | 9.0 | 12/20/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | 12 | ug/L | 1 | 2.6 | 9.0 | 12/20/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 440 | ug/L | 1 | 2.5* | 5.0 | 12/14/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 440 | ug/L | 1 | 2.5* | 5.0 | 12/14/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/16/04 | SW846 6010 | 721026460 |
| Beryllium, dis as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/15/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | [0.20] | ug/L | 1 | 0.17 | 0.50 | 12/14/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/14/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 130 | mg/L | 1 | 0.15* | 0.30 | 12/14/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 130 | mg/L | 1 | 0.15* | 0.30 | 12/14/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 36 | ug/L | 1 | 3.6* | | 12/10/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | ug/L | | 3.6* | | 12/15/04 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | |
| Chromium, tot. as Cr by ICP-Trace | [1.5] | ug/L | 1 | 0.51 | 1.8 | 12/14/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 12/14/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 2.5 | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | 2.2 | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 7.5 | ug/L | 1 | 1.3 | 4.0 | 12/14/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/14/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | 0.016 | mg/L | 1 | 0.0050 | 0.015 | 12/22/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 7.5 | mg/L | 1 | 0.033 | 0.10 | 12/14/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 3.8 | mg/L | 1 | 0.033 | 0.10 | 12/14/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | [1.8] | ug/L | 1 | 0.87 | 3.0 | 12/14/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [1.0] | ug/L | 1 | 0.87 | 3.0 | 12/14/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 73 | mg/L | 1 | 0.15* | 0.30 | 12/14/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 76 | mg/L | 1 | 0.15* | 0.30 | 12/14/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 3900 | ug/L | 1 | 1.0* | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 3500 | ug/L | 1 | 1.0* | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/14/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 12/14/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 4.7 | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 2.4 | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 29 | mg/L | 1 | 0.53 | 1.9 | 12/15/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 29 | mg/L | 1 | 0.53 | 1.9 | 12/15/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | 12 | ug/L | 2 | 3.2 | 11 | 12/29/04 | SW846 7740 | 721026460 |
| | Sample required a dilution to overcome negative interference encountered during analysis. | | | | | | | |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 12/29/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86326
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW04-1204 NLS ID: 358146**
Ref. Line 3 COC 73754 NS-GW-MW04-1204 Matrix: GW
Collected: 12/09/04 11:00 Received: 12/10/04
Notes: Hexavalent Chromium taken after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Sodium, dis. as Na | 56 | mg/L | 1 | 0.012 | 0.044 | 12/15/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 56 | mg/L | 1 | 0.012 | 0.044 | 12/15/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 2 | 5.0 | 17 | 12/28/04 | SW846 7841 | 721026460 |
| | Sample required a dilution to overcome negative interference encountered during analysis. | | | | | | | |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/28/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 8.5 | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 5.1 | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 19 | ug/L | 1 | 5.0* | 10 | 12/14/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/14/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/11/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/11/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/11/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/11/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/19/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/13/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 12/17/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 86326
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW04A-1204 NLS ID: 358147**
Ref. Line 4 COC 73754 NS-GW-MW04A-1204 Matrix: GW
Collected: 12/09/04 10:45 Received: 12/10/04
Notes: Hexavalent Chromium taken after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.076 | mg/L | 1 | 0.0042 | 0.015 | 12/14/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.012] | mg/L | 1 | 0.0042 | 0.015 | 12/14/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/18/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/18/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [5.8] | ug/L | 1 | 2.6 | 9.0 | 12/20/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 12/20/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 1000 | ug/L | 1 | 2.5* | 5.0 | 12/14/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 950 | ug/L | 1 | 2.5* | 5.0 | 12/14/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/16/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/15/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | [0.32] | ug/L | 1 | 0.17 | 0.50 | 12/14/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | [0.48] | ug/L | 1 | 0.17 | 0.50 | 12/14/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 140 | mg/L | 1 | 0.15* | 0.30 | 12/14/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 140 | mg/L | 1 | 0.15* | 0.30 | 12/14/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 11 | ug/L | 1 | 3.6* | | 12/10/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | ug/L | | 3.6* | | 12/15/04 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | |
| Chromium, tot. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 12/14/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 12/14/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 3.0 | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | 3.3 | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/14/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/14/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | 0.079 | mg/L | 1 | 0.0050 | 0.015 | 12/22/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 15 | mg/L | 1 | 0.033 | 0.10 | 12/14/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 13 | mg/L | 1 | 0.033 | 0.10 | 12/14/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | [0.99] | ug/L | 1 | 0.87 | 3.0 | 12/14/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/14/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 66 | mg/L | 1 | 0.15* | 0.30 | 12/14/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 65 | mg/L | 1 | 0.15* | 0.30 | 12/14/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 2500 | ug/L | 1 | 1.0* | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 2200 | ug/L | 1 | 1.0* | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/14/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 12/14/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | [1.7] | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.9] | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 23 | mg/L | 1 | 0.53 | 1.9 | 12/15/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 22 | mg/L | 1 | 0.53 | 1.9 | 12/15/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 12/29/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 12/29/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 61 | mg/L | 1 | 0.012 | 0.044 | 12/15/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 62 | mg/L | 1 | 0.012 | 0.044 | 12/15/04 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86326
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW04A-1204 NLS ID: 358147**
Ref. Line 4 COC 73754 NS-GW-MW04A-1204 Matrix: GW
Collected: 12/09/04 10:45 Received: 12/10/04
Notes: Hexavalent Chromium taken after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/28/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/28/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 2.2 | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [1.7] | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | [7.8] | ug/L | 1 | 5.0* | 10 | 12/14/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/14/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/11/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/11/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/11/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/11/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/19/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/13/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 12/17/04 | SW846 8270C | 721026460 |

NORTHERN [illegible]E SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL R[illegible]PORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-[illegible]
EPA Laboratory ID No. WI00034



NLS Project: 86326
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwauke e)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel R1/FS 25688375

**NS-GW-MW16-1204 NLS ID: 358143**
Ref. Line 5 COC 73754 NS-GW-MW16-1204 Matrix: GW
Collected: 12/09/04 13:45 Received: 12/1 )/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 9.3 | mg/L | 1 | 0.0042 | 0.015 | 12/14/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0060] | mg/L | 1 | 0.0042 | 0.015 | 12/14/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/18/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/18/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 12/20/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [3.2] | ug/L | 1 | 2.6 | 9.0 | 12/20/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 250 | ug/L | 1 | 2.5* | 5.0 | 12/14/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 160 | ug/L | 1 | 2.5* | 5.0 | 12/14/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 2 | 0.34 | 1.0 | 12/19/04 | SW846 6010 | 721026460 |
| | Dilution was required to reduce matrix interferences. | | | | | | | |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/15/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | [0.26] | ug/L | 1 | 0.17 | 0.50 | 12/14/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/14/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 120 | mg/L | 1 | 0.15* | 0.30 | 12/14/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 110 | mg/L | 1 | 0.15* | 0.30 | 12/14/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 11 | ug/L | 1 | 3.6* | | 12/10/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 12/15/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 14 | ug/L | 1 | 0.51 | 1.8 | 12/14/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 12/14/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 4.0 | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 24 | ug/L | 1 | 1.3 | 4.0 | 12/14/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | [3.8] | ug/L | 1 | 1.3 | 4.0 | 12/14/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.012] | mg/L | 1 | 0.0050 | 0.015 | 12/22/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 7.7 | mg/L | 1 | 0.033 | 0.10 | 12/14/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 12/14/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 3.1 | ug/L | 1 | 0.87 | 3.0 | 12/14/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/14/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 49 | mg/L | 1 | 0.15* | 0.30 | 12/14/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 44 | mg/L | 1 | 0.15* | 0.30 | 12/14/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 970 | ug/L | 1 | 1.0* | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 770 | ug/L | 1 | 1.0* | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/14/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 12/14/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 14 | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 3.2 | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 6.4 | mg/L | 1 | 0.53 | 1.9 | 12/15/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 8.9 | mg/L | 1 | 0.53 | 1.9 | 12/15/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 12/29/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 12/29/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 84 | mg/L | 1 | 0.012 | 0.044 | 12/15/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 87 | mg/L | 1 | 0.012 | 0.044 | 12/15/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/28/04 | SW846 7841 | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86326
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW16-1204 NLS ID: 358148**
Ref. Line 5 COC 73754 NS-GW-MW16-1204 Matrix: GW
Collected: 12/09/04 13:45 Received: 12/10/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/28/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 20 | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [1.5] | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 38 | ug/L | 1 | 5.0* | 10 | 12/14/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [7.0] | ug/L | 1 | 5.0* | 10 | 12/14/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/11/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/11/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/11/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/11/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/19/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/13/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 12/17/04 | SW846 8270C | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86326
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW02C-1204 NLS ID: 358149**
Ref. Line 6 COC 73754 NS-GW-MW02C-1204 Matrix: GW
Collected: 12/09/04 12:00 Received: 12/10/04
Notes: Hexavalent Chromium taken after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.078 | mg/L | 1 | 0.0042 | 0.015 | 12/14/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 12/14/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/18/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/18/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 12/20/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [3.0] | ug/L | 1 | 2.6 | 9.0 | 12/20/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 100 | ug/L | 1 | 2.5* | 5.0 | 12/14/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 95 | ug/L | 1 | 2.5* | 5.0 | 12/14/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/16/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/15/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/14/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/14/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 36 | mg/L | 1 | 0.15* | 0.30 | 12/14/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 36 | mg/L | 1 | 0.15* | 0.30 | 12/14/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 12/10/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 12/15/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 12/14/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 12/14/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/14/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/14/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 12/22/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | [0.076] | mg/L | 1 | 0.033 | 0.10 | 12/14/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 12/14/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/14/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/14/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 12 | mg/L | 1 | 0.15* | 0.30 | 12/14/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 13 | mg/L | 1 | 0.15* | 0.30 | 12/14/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 180 | ug/L | 1 | 1.0* | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 180 | ug/L | 1 | 1.0* | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/14/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 12/14/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 6.5 | mg/L | 1 | 0.53 | 1.9 | 12/15/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 6.4 | mg/L | 1 | 0.53 | 1.9 | 12/15/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 12/29/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 12/29/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 29 | mg/L | 1 | 0.012 | 0.044 | 12/15/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 28 | mg/L | 1 | 0.012 | 0.044 | 12/15/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/28/04 | SW846 7841 | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86326
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel R1/FS 25688375

**NS-GW-MW02C-1204 NLS ID: 358149**
Ref. Line 6 COC 73754 NS-GW-MW02C-1204 Matrix: GW
Collected: 12/09/04 12:00 Received: 12/10/04
Notes: Hexavalent Chromium taken after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/28/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | [1.2] | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [1.1] | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | [6.0] | ug/L | 1 | 5.0* | 10 | 12/14/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [5.5] | ug/L | 1 | 5.0* | 10 | 12/14/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/11/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/11/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/11/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/11/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/19/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/13/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 12/17/04 | SW846 8270C | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86326
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW01-1204 NLS ID: 358150**
Ref. Line 7 COC 73754 NS-GW-MW01-1204 Matrix: GW
Collected: 12/09/04 12:15 Received: 12/10/04
Notes: Hexavalent Chromium taken after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 13 | mg/L | 1 | 0.0042 | 0.015 | 12/14/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0060] | mg/L | 1 | 0.0042 | 0.015 | 12/14/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/18/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | [3.6] | ug/L | 1 | 3.2 | 11 | 12/18/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 12/20/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [5.4] | ug/L | 1 | 2.6 | 9.0 | 12/20/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 320 | ug/L | 1 | 2.5* | 5.0 | 12/14/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 220 | ug/L | 1 | 2.5* | 5.0 | 12/14/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 2 | 0.34 | 1.0 | 12/19/04 | SW846 6010 | 721026460 |
| | Dilution was required to reduce matrix interferences. | | | | | | | |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/15/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | 0.52 | ug/L | 1 | 0.17 | 0.50 | 12/14/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/14/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 200 | mg/L | 1 | 0.15* | 0.30 | 12/14/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 190 | mg/L | 1 | 0.15* | 0.30 | 12/14/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 26 | ug/L | 1 | 3.6* | | 12/10/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | ug/L | | 3.6* | | 12/15/04 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | |
| Chromium, tot. as Cr by ICP-Trace | 16 | ug/L | 1 | 0.51 | 1.8 | 12/14/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 12/14/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 8.7 | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | [1.4] | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 24 | ug/L | 1 | 1.3 | 4.0 | 12/14/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/14/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 12/22/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 11 | mg/L | 1 | 0.033 | 0.10 | 12/14/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 0.35 | mg/L | 1 | 0.033 | 0.10 | 12/14/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 5.7 | ug/L | 1 | 0.87 | 3.0 | 12/14/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [1.2] | ug/L | 1 | 0.87 | 3.0 | 12/14/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 100 | mg/L | 1 | 0.15* | 0.30 | 12/14/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 97 | mg/L | 1 | 0.15* | 0.30 | 12/14/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 1200 | ug/L | 1 | 1.0* | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 820 | ug/L | 1 | 1.0* | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/14/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 12/14/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 16 | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.7] | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 11 | mg/L | 1 | 0.53 | 1.9 | 12/15/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 15 | mg/L | 1 | 0.53 | 1.9 | 12/15/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 12/29/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 12/29/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 31 | mg/L | 1 | 0.012 | 0.044 | 12/15/04 | SW846 6010 | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Ben Nelson**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 86326**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel R1/FS 25688375**

**NS-GW-MW01-1204 NLS ID: 358150**
Ref. Line 7 COC 73754 NS-GW-MW01-1204 Matrix: GW
Collected: 12/09/04 12:15 Received: 12/10/04
Notes: Hexavalent Chromium taken after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Sodium, tot. as Na | 31 | mg/L | 1 | 0.012 | 0.044 | 12/15/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/28/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/28/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 28 | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 3.8 | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 44 | ug/L | 1 | 5.0* | 10 | 12/14/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [5.2] | ug/L | 1 | 5.0* | 10 | 12/14/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/11/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/11/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/11/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/11/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/19/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/13/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 12/17/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86326
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW02BR-1204 NLS ID: 358151**
Ref. Line 8 COC 73754 NS-GW-MW02BR-1204 Matrix: GW
Collected: 12/09/04 11:45 Received: 12/10/04
Notes: Hexavalent Chromium taken after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.15 | mg/L | 1 | 0.0042 | 0.015 | 12/14/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 12/14/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/18/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/18/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 12/20/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 12/20/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 74 | ug/L | 1 | 2.5* | 5.0 | 12/14/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 70 | ug/L | 1 | 2.5* | 5.0 | 12/14/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/16/04 | SW846 6010 | 721026460 |
| Beryllium, dis as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/15/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/14/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/14/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 22 | mg/L | 1 | 0.15* | 0.30 | 12/14/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 22 | mg/L | 1 | 0.15* | 0.30 | 12/14/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 12/10/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 12/15/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [0.68] | ug/L | 1 | 0.51 | 1.8 | 12/14/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 12/14/04 | SW846 6010 | 721026460 |
| Cobalt. tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Cobalt. dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/14/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/14/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.011] | mg/L | 1 | 0.0050 | 0.015 | 12/22/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 0.35 | mg/L | 1 | 0.033 | 0.10 | 12/14/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 0.19 | mg/L | 1 | 0.033 | 0.10 | 12/14/04 | SW846 6010 | 721026460 |
| Lead tot. as Pb by ICP-Trace | [1.5] | ug/L | 1 | 0.87 | 3.0 | 12/14/04 | SW846 6010 | 721026460 |
| Lead dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/14/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 8.3 | mg/L | 1 | 0.15* | 0.30 | 12/14/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 8.3 | mg/L | 1 | 0.15* | 0.30 | 12/14/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 130 | ug/L | 1 | 1.0* | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 130 | ug/L | 1 | 1.0* | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/14/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 12/14/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.7 | mg/L | 1 | 0.53 | 1.9 | 12/15/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 4.7 | mg/L | 1 | 0.53 | 1.9 | 12/15/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 12/29/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 12/29/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 17 | mg/L | 1 | 0.012 | 0.044 | 12/15/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 16 | mg/L | 1 | 0.012 | 0.044 | 12/15/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/28/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86326
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW02BR-1204 NLS ID: 358151**
Ref. Line 8 COC 73754 NS-GW-MW02BR-1204 Matrix: GW
Collected: 12/09/04 11:45 Received: 12/10/04
Notes: Hexavalent Chromium taken after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/28/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/14/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/14/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/14/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/11/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/11/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/11/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/11/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/19/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/13/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 12/17/04 | SW846 8270C | 721026460 |

**NS-WQ-Trip Blank3-1204 NLS ID: 358152**
Ref. Line 9 COC 73754 NS-WQ-Trip Blank3-1204 Matrix: TB
Collected: 12/09/04 00:00 Received: 12/10/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 12/19/04 | SW846 8260 | 721026460 |

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

# ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86326**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: SAT2NSP Printed: 01/24/2005 15:36**

**Sample: 358144 NS-GW-MW06A-1204** **Collected: 12/09/04** **Analyzed: 12/19/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | 6.8 | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 104% | | | | |
| Toluene-d8 (SURR**) | 108% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 98% | | | | |

**Sample: 358145 NS-GW-MW15B-1204** **Collected: 12/09/04** **Analyzed: 12/19/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 35 | ug/L | 4 | 0.46 | 1.5 |
| sec-Butylbenzene | ND | ug/L | 4 | 0.63 | 2.1 |
| Ethylbenzene | [1.3] | ug/L | 4 | 0.56 | 1.9 |
| ortho-Xylene | 3.7 | ug/L | 4 | 0.53 | 1.8 |
| Styrene | 4.2 | ug/L | 4 | 0.56 | 1.9 |
| Toluene | 25 | ug/L | 4 | 0.82 | 3.1 |
| 1,2,4-Trimethylbenzene | [1.4] | ug/L | 4 | 0.58 | 1.9 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 4 | 0.49 | 1.6 |
| meta,para-Xylene | 7.2 | ug/L | 4 | 1.0 | 3.5 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 4 | 0.82 | 2.7 |
| Dibromofluoromethane (SURR**) | 105% | | | | |
| Toluene-d8 (SURR**) | 108% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

**Sample: 358146 NS-GW-MW04-1204** **Collected: 12/09/04** **Analyzed: 12/19/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 2600 | ug/L | 500 | 58 | 190 |
| sec-Butylbenzene | ND | ug/L | 500 | 79 | 260 |
| Ethylbenzene | 2200 | ug/L | 500 | 71 | 230 |
| ortho-Xylene | 1100 | ug/L | 500 | 67 | 220 |
| Styrene | ND | ug/L | 500 | 70 | 230 |
| Toluene | 2000 | ug/L | 500 | 100 | 390 |
| 1,2,4-Trimethylbenzene | 430 | ug/L | 500 | 72 | 240 |
| 1,3,5-Trimethylbenzene | [110] | ug/L | 500 | 61 | 200 |
| meta,para-Xylene | 1700 | ug/L | 500 | 130 | 440 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 500 | 100 | 340 |
| Dibromofluoromethane (SURR**) | 101% | | | | |
| Toluene-d8 (SURR**) | 106% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 97% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86326**

**Project Description: Xcel R1/FS 25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 01/24/2005 15:36**

**Sample: 358147** **NS-GW-MW04A-1204** **Collected: 12/09/04** **Analyzed: 12/19/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 16000 | ug/L | 1000 | 120 | 380 |
| sec-Butylbenzene | ND | ug/L | 1000 | 160 | 520 |
| Ethylbenzene | 2700 | ug/L | 1000 | 140 | 470 |
| ortho-Xylene | 1400 | ug/L | 1000 | 130 | 440 |
| Styrene | 700 | ug/L | 1000 | 140 | 470 |
| Toluene | 7500 | ug/L | 1000 | 200 | 770 |
| 1,2,4-Trimethylbenzene | 580 | ug/L | 1000 | 140 | 480 |
| 1,3,5-Trimethylbenzene | [150] | ug/L | 1000 | 120 | 410 |
| meta,para-Xylene | 2800 | ug/L | 1000 | 260 | 880 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1000 | 210 | 680 |
| Dibromofluoromethane (SURR**) | 104% | | | | |
| Toluene-d8 (SURR**) | 107% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

**Sample: 358148** **NS-GW-MW16-1204** **Collected: 12/09/04** **Analyzed: 12/19/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | 7.5 | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 104% | | | | |
| Toluene-d8 (SURR**) | 105% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

**Sample: 358149** **NS-GW-MW02C-1204** **Collected: 12/09/04** **Analyzed: 12/19/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [0.12] | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | 5.2 | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 101% | | | | |
| Toluene-d8 (SURR**) | 107% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86326**

**Project Description: Xcel R1/FS 25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 01/24/2005 15:36**

**Sample: 358150** **NS-GW-MW01-1204** **Collected: 12/09/04** **Analyzed: 12/19/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | 5.1 | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 102% | | | | |
| Toluene-d8 (SURR**) | 104% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 98% | | | | |

**Sample: 358151** **NS-GW-MW02BR-1204** **Collected: 12/09/04** **Analyzed: 12/19/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 1000 | ug/L | 500 | 58 | 190 |
| sec-Butylbenzene | ND | ug/L | 500 | 79 | 260 |
| Ethylbenzene | 850 | ug/L | 500 | 71 | 230 |
| ortho-Xylene | 1000 | ug/L | 500 | 67 | 220 |
| Styrene | 1800 | ug/L | 500 | 70 | 230 |
| Toluene | 4700 | ug/L | 500 | 100 | 390 |
| 1,2,4-Trimethylbenzene | 380 | ug/L | 500 | 72 | 240 |
| 1,3,5-Trimethylbenzene | [100] | ug/L | 500 | 61 | 200 |
| meta,para-Xylene | 2100 | ug/L | 500 | 130 | 440 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 500 | 100 | 340 |
| Dibromofluoromethane (SURR**) | 101% | | | | |
| Toluene-d8 (SURR**) | 105% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

**Sample: 358152** **NS-WQ-Trip Blank3-1204** **Collected: 12/09/04** **Analyzed: 12/19/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | 3.8 | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 107% | | | | |
| Toluene-d8 (SURR**) | 115% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86326**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:35**

**Sample: 358144** **NS-GW-MW06A-1204** **Collected: 12/09/04** **Analyzed: 12/17/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 36% | | | | |
| Phenol-d5 (SURR**) | 23% | | | | |
| Nitrobenzene-d5 (SURR**) | 74% | | | | |
| 2-Fluorobiphenyl (SURR**) | 78% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 93% | | | | |
| Terphenyl-d14 (SURR**) | 58% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86326**

**Project Description: Xcel R1/FS 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:36**

**Sample: 358145** **NS-GW-MW15B-1204** **Collected: 12/09/04** **Analyzed: 12/17/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | [1.9] | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | [4.6] | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | 6.4 | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | 31 | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 39% | | | | |
| Phenol-d5 (SURR**) | 25% | | | | |
| Nitrobenzene-d5 (SURR**) | 76% | | | | |
| 2-Fluorobiphenyl (SURR**) | 80% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 91% | | | | |
| Terphenyl-d14 (SURR**) | 58% | | | | |

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86326**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:36**

**Sample: 358146** **NS-GW-MW04-1204** **Collected: 12/09/04** **Analyzed: 12/17/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 300 | 1000 |
| Acenaphthylene | ND | ug/L | 200 | 340 | 1100 |
| Anthracene | ND | ug/L | 200 | 270 | 900 |
| Benzo[a]anthracene | ND | ug/L | 200 | 280 | 920 |
| Benzo[a]pyrene | ND | ug/L | 200 | 280 | 920 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 250 | 840 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 270 | 900 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 340 | 1100 |
| Chrysene | ND | ug/L | 200 | 280 | 930 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 260 | 880 |
| Dibenzofuran | ND | ug/L | 200 | 310 | 1000 |
| Fluoranthene | ND | ug/L | 200 | 290 | 950 |
| Fluorene | ND | ug/L | 200 | 340 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 310 | 1000 |
| 1-Methylnaphthalene | [720] | ug/L | 200 | 320 | 1100 |
| 2-Methylnaphthalene | [880] | ug/L | 200 | 310 | 1000 |
| 2-Methylphenol | ND | ug/L | 200 | 220 | 820 |
| 3 & 4-Methylphenol | ND | ug/L | 200 | 250 | 840 |
| Naphthalene | 4400 | ug/L | 200 | 330 | 1100 |
| Phenanthrene | ND | ug/L | 200 | 290 | 950 |
| Phenol | ND | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 290 | 960 |
| Benzo[e]pyrene | ND | ug/L | 200 | 220 | 740 |
| 2-Fluorophenol (SURR**) | 59% | | | | |
| Phenol-d5 (SURR**) | 30% | | | | |
| Nitrobenzene-d5 (SURR**) | 80% | | | | |
| 2-Fluorobiphenyl (SURR**) | 88% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 77% | | | | |
| Terphenyl-d14 (SURR**) | 64% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86326**

**Project Description: Xcel R1/FS 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:36**

**Sample: 358147** **NS-GW-MW04A-1204** **Collected: 12/09/04** **Analyzed: 12/17/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 400 | 600 | 2000 |
| Acenaphthylene | ND | ug/L | 400 | 670 | 2200 |
| *Anthracene* | *ND* | *ug/L* | *400* | *540* | *1800* |
| Benzo[a]anthracene | ND | ug/L | 400 | 550 | 1800 |
| Benzo[a]pyrene | ND | ug/L | 400 | 550 | 1800 |
| Benzo[b]fluoranthene | ND | ug/L | 400 | 510 | 1700 |
| Benzo[g,h,i]perylene | ND | ug/L | 400 | 540 | 1800 |
| Benzo[k]fluoranthene | ND | ug/L | 400 | 670 | 2200 |
| Chrysene | ND | ug/L | 400 | 560 | 1900 |
| Dibenzo[a,h]anthracene | ND | ug/L | 400 | 530 | 1800 |
| *Dibenzofuran* | *ND* | *ug/L* | *400* | *630* | *2100* |
| Fluoranthene | ND | ug/L | 400 | 570 | 1900 |
| Fluorene | ND | ug/L | 400 | 680 | 2300 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 400 | 620 | 2100 |
| 1-Methylnaphthalene | [1600] | ug/L | 400 | 640 | 2100 |
| 2-Methylnaphthalene | 2300 | ug/L | 400 | 610 | 2100 |
| 2-Methylphenol | ND | ug/L | 400 | 450 | 1600 |
| 3 & 4-Methylphenol | [760] | ug/L | 400 | 510 | 1700 |
| Naphthalene | *11000* | ug/L | *400* | *660* | *2200* |
| Phenanthrene | ND | ug/L | 400 | 570 | 1900 |
| Phenol | [280] | ug/L | 400 | 200 | 680 |
| Pyrene | ND | ug/L | 400 | 580 | 1900 |
| Benzo[e]pyrene | ND | ug/L | 400 | 440 | 1500 |
| 2-Fluorophenol (SURR**) | 71% | | | | |
| Phenol-d5 (SURR**) | 35% | | | | |
| Nitrobenzene-d5 (SURR**) | 78% | | | | |
| *2-Fluorobiphenyl (SURR**)* | *99%* | | | | |
| 2,4,6-Tribromophenol (SURR**) | 50% | | | | |
| Terphenyl-d14 (SURR**) | 67% | | | | |

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86326**
**Project Description: Xcel R1/F S 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:36**

**Sample: 358148** **NS-GW-MW16-1204** **Collected: 12/09/04** **Analyzed: 12/17/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 37% | | | | |
| Phenol-d5 (SURR**) | 23% | | | | |
| Nitrobenzene-d5 (SURR**) | 81% | | | | |
| 2-Fluorobiphenyl (SURR**) | 79% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 94% | | | | |
| Terphenyl-d14 (SURR**) | 56% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86326**

**Project Description: Xcel R1/FS 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:36**

**Sample: 358149** **NS-GW-MW02C-1204** **Collected: 12/09/04** **Analyzed: 12/17/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 39% | | | | |
| Phenol-d5 (SURR**) | 24% | | | | |
| Nitrobenzene-d5 (SURR**) | 79% | | | | |
| 2-Fluorobiphenyl (SURR**) | 80% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 93% | | | | |
| Terphenyl-d14 (SURR**) | 56% | | | | |

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86326**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:36**

**Sample: 358150** **NS-GW-MW01-1204** **Collected: 12/09/04** **Analyzed: 12/17/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 40% | | | | |
| Phenol-d5 (SURR**) | 26% | | | | |
| Nitrobenzene-d5 (SURR**) | 76% | | | | |
| 2-Fluorobiphenyl (SURR**) | 79% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 95% | | | | |
| Terphenyl-d14 (SURR**) | 55% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86326**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:36**

**Sample: 358151** **NS-GW-MW02BR-1204** **Collected: 12/09/04** **Analyzed: 12/17/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 300 | 1000 |
| Acenaphthylene | ND | ug/L | 200 | 340 | 1100 |
| Anthracene | ND | ug/L | 200 | 270 | 900 |
| Benzo[a]anthracene | ND | ug/L | 200 | 280 | 920 |
| Benzo[a]pyrene | ND | ug/L | 200 | 280 | 920 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 250 | 840 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 270 | 900 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 340 | 1100 |
| Chrysene | ND | ug/L | 200 | 280 | 930 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 260 | 880 |
| Dibenzofuran | ND | ug/L | 200 | 310 | 1000 |
| Fluoranthene | ND | ug/L | 200 | 290 | 950 |
| Fluorene | ND | ug/L | 200 | 340 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 310 | 1000 |
| 1-Methylnaphthalene | [610] | ug/L | 200 | 320 | 1100 |
| 2-Methylnaphthalene | [890] | ug/L | 200 | 310 | 1000 |
| 2-Methylphenol | ND | ug/L | 200 | 220 | 820 |
| 3 & 4-Methylphenol | ND | ug/L | 200 | 250 | 840 |
| Naphthalene | 5200 | ug/L | 200 | 330 | 1100 |
| Phenanthrene | ND | ug/L | 200 | 290 | 950 |
| Phenol | ND | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 290 | 960 |
| Benzo[e]pyrene | ND | ug/L | 200 | 220 | 740 |
| 2-Fluorophenol (SURR**) | 51% | | | | |
| Phenol-d5 (SURR**) | 26% | | | | |
| Nitrobenzene-d5 (SURR**) | 87% | | | | |
| 2-Fluorobiphenyl (SURR**) | 94% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 65% | | | | |
| Terphenyl-d14 (SURR**) | 61% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

NORTHERN [illegible]E SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86343
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel R1/FS 25688375

**NS-GW-MW22A-1204 NLS ID: 358276**
Ref. Line 1 COC 73751 NS-GW-MW22A-1204 Matrix: GW
Collected: 12/10/04 08:30 Received: 12/10/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 13 | mg/L | 1 | 0.0042 | 0.015 | 12/16/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0050] | mg/L | 1 | 0.0042 | 0.015 | 12/16/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/28/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/28/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [5.2] | ug/L | 1 | 2.6 | 9.0 | 12/30/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | 10 | ug/L | 1 | 2.6 | 9.0 | 12/30/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 1100 | ug/L | 1 | 2.5* | 5.0 | 12/16/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 930 | ug/L | 1 | 2.5* | 5.0 | 12/16/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 2 | 0.34 | 1.0 | 12/19/04 | SW846 6010 | 721026460 |
| | *Dilution was required to reduce matrix interferences.* | | | | | | | |
| Beryllium, dis as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/16/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | [0.42] | ug/L | 1 | 0.17 | 0.50 | 12/16/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/16/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 120 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 110 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 15 | ug/L | 1 | 3.6* | | 12/11/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 7.5 | ug/L | 1 | 3.6* | | 12/21/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 22 | ug/L | 1 | 0.51 | 1.8 | 12/16/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.98] | ug/L | 1 | 0.51 | 1.8 | 12/16/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 9.2 | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | 3.0 | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 58 | ug/L | 1 | 1.3 | 4.0 | 12/16/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/16/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | 0.12 | mg/L | 1 | 0.0050 | 0.015 | 12/22/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 12 | mg/L | 1 | 0.033 | 0.10 | 12/16/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 1.5 | mg/L | 1 | 0.033 | 0.10 | 12/16/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 4.9 | ug/L | 1 | 0.87 | 3.0 | 12/16/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [0.96] | ug/L | 1 | 0.87 | 3.0 | 12/16/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 75 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 68 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 1600 | ug/L | 1 | 1.0* | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 1400 | ug/L | 1 | 1.0* | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/15/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 12/15/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 19 | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 3.8 | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 14 | mg/L | 1 | 0.53 | 1.9 | 12/28/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 17 | mg/L | 1 | 0.53 | 1.9 | 12/28/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 12/30/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 12/30/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 47 | mg/L | 1 | 0.012 | 0.044 | 12/28/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 48 | mg/L | 1 | 0.012 | 0.044 | 12/28/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/28/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 86343
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW22A-1204 NLS ID: 358276**
Ref. Line 1 COC 73751 NS-GW-MW22A-1204 Matrix: GW
Collected: 12/10/04 08:30 Received: 12/10/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/28/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 29 | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [1.6] | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 70 | ug/L | 1 | 5.0* | 10 | 12/16/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [6.0] | ug/L | 1 | 5.0* | 10 | 12/16/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/11/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/11/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/12/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/11/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/20/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/14/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 12/30/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 86343
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW22B-1204 NLS ID: 358277**
Ref. Line 2 COC 73751 NS-GW-MW22B-1204 Matrix: GW
Collected: 12/10/04 08:45 Received: 12/10/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.024 | mg/L | 1 | 0.0042 | 0.015 | 12/16/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0050] | mg/L | 1 | 0.0042 | 0.015 | 12/16/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/28/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/28/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [8.0] | ug/L | 1 | 2.6 | 9.0 | 12/30/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | 9.8 | ug/L | 1 | 2.6 | 9.0 | 12/30/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 120 | ug/L | 1 | 2.5* | 5.0 | 12/16/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 120 | ug/L | 1 | 2.5* | 5.0 | 12/16/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/16/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/16/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/16/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/16/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 110 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 110 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 12/11/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 12/21/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [0.54] | ug/L | 1 | 0.51 | 1.8 | 12/16/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 12/16/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/16/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/16/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 12/22/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 0.60 | mg/L | 1 | 0.033 | 0.10 | 12/16/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 0.57 | mg/L | 1 | 0.033 | 0.10 | 12/16/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/16/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [0.92] | ug/L | 1 | 0.87 | 3.0 | 12/16/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 73 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 74 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 230 | ug/L | 1 | 1.0* | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 220 | ug/L | 1 | 1.0* | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/15/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 12/15/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | [1.2] | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 2.2 | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 7.8 | mg/L | 1 | 0.53 | 1.9 | 12/28/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 7.6 | mg/L | 1 | 0.53 | 1.9 | 12/28/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 12/30/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 12/30/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 34 | mg/L | 1 | 0.012 | 0.044 | 12/28/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 32 | mg/L | 1 | 0.012 | 0.044 | 12/28/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/28/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/28/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 86343
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW22B-1204 NLS ID: 358277**
Ref. Line 2 COC 73751 NS-GW-MW22B-1204 Matrix: GW
Collected: 12/10/04 08:45 Received: 12/10/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, tot. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | [5.3] | ug/L | 1 | 5.0* | 10 | 12/16/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | 12 | ug/L | 1 | 5.0* | 10 | 12/16/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/11/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/11/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/12/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/11/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/20/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/14/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 12/30/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86343
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW18A-1204 NLS ID: 358278**
Ref. Line 3 COC 73751 NS-GW-MW18A-1204 Matrix: GW
Collected: 12/10/04 09:15 Received: 12/10/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 1.1 | mg/L | 1 | 0.0042 | 0.015 | 12/16/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 12/16/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/28/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/28/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [4.3] | ug/L | 1 | 2.6 | 9.0 | 12/30/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [6.1] | ug/L | 1 | 2.6 | 9.0 | 12/30/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 200 | ug/L | 1 | 2.5* | 5.0 | 12/16/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 180 | ug/L | 1 | 2.5* | 5.0 | 12/16/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/16/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/16/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | [0.18] | ug/L | 1 | 0.17 | 0.50 | 12/16/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/16/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 59 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 58 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 12/11/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 12/21/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [0.89] | ug/L | 1 | 0.51 | 1.8 | 12/16/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 12/16/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 7.0 | ug/L | 1 | 1.3 | 4.0 | 12/16/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/16/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | 0.024 | mg/L | 1 | 0.0050 | 0.015 | 12/22/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 0.98 | mg/L | 1 | 0.033 | 0.10 | 12/16/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 12/16/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 3.1 | ug/L | 1 | 0.87 | 3.0 | 12/16/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [2.4] | ug/L | 1 | 0.87 | 3.0 | 12/16/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 28 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 28 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 290 | ug/L | 1 | 1.0* | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 270 | ug/L | 1 | 1.0* | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/15/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 12/15/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | [1.8] | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 6.2 | mg/L | 1 | 0.53 | 1.9 | 12/28/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 6.1 | mg/L | 1 | 0.53 | 1.9 | 12/28/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | [2.5] | ug/L | 1 | 1.6 | 5.5 | 12/30/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 12/30/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 29 | mg/L | 1 | 0.012 | 0.044 | 12/28/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 30 | mg/L | 1 | 0.012 | 0.044 | 12/28/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/28/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/28/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 86343
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW18A-1204 NLS ID: 358278**
Ref. Line 3 COC 73751 NS-GW-MW18A-1204 Matrix: GW
Collected: 12/10/04 09:15 Received: 12/10/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, tot. as V by ICP-Trace | 3.1 | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 18 | ug/L | 1 | 5.0* | 10 | 12/16/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/16/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/11/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/11/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/12/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/11/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/20/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/14/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 12/30/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 86343
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW18B-1204 NLS ID: 358279**
Ref. Line 4 COC 73751 NS-GW-MW18B-1204 Matrix: GW
Collected: 12/10/04 09:20 Received: 12/10/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.55 | mg/L | 1 | 0.0042 | 0.015 | 12/16/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 12/16/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/28/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/28/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [2.9] | ug/L | 1 | 2.6 | 9.0 | 12/30/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 12/30/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 97 | ug/L | 1 | 2.5* | 5.0 | 12/16/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 95 | ug/L | 1 | 2.5* | 5.0 | 12/16/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/16/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/16/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/16/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/16/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 19 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 20 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 12/11/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 12/21/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [1.2] | ug/L | 1 | 0.51 | 1.8 | 12/16/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 12/16/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | [1.7] | ug/L | 1 | 1.3 | 4.0 | 12/16/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/16/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 12/23/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 0.52 | mg/L | 1 | 0.033 | 0.10 | 12/16/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 12/16/04 | SW846 6010 | 721026460 |
| Lead tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/16/04 | SW846 6010 | 721026460 |
| Lead dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/16/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 7.1 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 7.3 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 38 | ug/L | 1 | 1.0* | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 31 | ug/L | 1 | 1.0* | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/15/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 12/15/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.3 | mg/L | 1 | 0.53 | 1.9 | 12/28/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 4.0 | mg/L | 1 | 0.53 | 1.9 | 12/28/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | [5.3] | ug/L | 1 | 1.6 | 5.5 | 12/30/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 12/30/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 16 | mg/L | 1 | 0.012 | 0.044 | 12/28/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 15 | mg/L | 1 | 0.012 | 0.044 | 12/28/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/28/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/28/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
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400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 86343
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW18B-1204 NLS ID: 358279**
Ref. Line 4 COC 73751 NS-GW-MW18B-1204 Matrix: GW
Collected: 12/10/04 09:20 Received: 12/10/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, tot. as V by ICP-Trace | [1.3] | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | [8.2] | ug/L | 1 | 5.0* | 10 | 12/16/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/16/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/11/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/11/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/12/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/11/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/20/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/14/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 12/30/04 | SW846 8270C | 721026460 |

NORTHERN [illegible]E SERVICE, INC.
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400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 86343
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW15-1204 NLS ID: 358280**
Ref. Line 5 COC 73751 NS-GW-MW15-1204 Matrix: GW
Collected: 12/10/04 09:30 Received: 12/10/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.69 | mg/L | 1 | 0.0042 | 0.015 | 12/16/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | 0.027 | mg/L | 1 | 0.0042 | 0.015 | 12/16/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/28/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/28/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [6.5] | ug/L | 1 | 2.6 | 9.0 | 12/30/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | 14 | ug/L | 1 | 2.6 | 9.0 | 12/30/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 480 | ug/L | 1 | 2.5* | 5.0 | 12/16/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 340 | ug/L | 1 | 2.5* | 5.0 | 12/16/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/16/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/16/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | 4.2 | ug/L | 1 | 0.17 | 0.50 | 12/16/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | 3.5 | ug/L | 1 | 0.17 | 0.50 | 12/16/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 190 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 150 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 14 | ug/L | 1 | 3.6* | | 12/11/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 12/21/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 15 | ug/L | 1 | 0.51 | 1.8 | 12/16/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | 12 | ug/L | 1 | 0.51 | 1.8 | 12/16/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 3.0 | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | [1.8] | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 5.5 | ug/L | 1 | 1.3 | 4.0 | 12/16/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/16/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | 2.6 | mg/L | 25 | 0.13 | 0.38 | 12/23/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 130 | mg/L | 1 | 0.033 | 0.10 | 12/16/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 110 | mg/L | 1 | 0.033 | 0.10 | 12/16/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 9.0 | ug/L | 1 | 0.87 | 3.0 | 12/16/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/16/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 110 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 43 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 2600 | ug/L | 1 | 1.0* | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 3600 | ug/L | 1 | 1.0* | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/15/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 12/15/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 13 | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 5.2 | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 22 | mg/L | 1 | 0.53 | 1.9 | 12/28/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 30 | mg/L | 1 | 0.53 | 1.9 | 12/28/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | [2.2] | ug/L | 1 | 1.6 | 5.5 | 12/30/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 12/30/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 5 | 3.4 | 10 | 12/19/04 | SW846 6010 | 721026460 |
| | Dilution was required to reduce matrix interferences. | | | | | | | |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 2 | 1.3 | 4.0 | 12/19/04 | SW846 6010 | 721026460 |
| | Dilution was required to reduce matrix interferences. | | | | | | | |
| Sodium, dis. as Na | 32 | mg/L | 1 | 0.012 | 0.044 | 12/28/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 44 | mg/L | 1 | 0.012 | 0.044 | 12/28/04 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 86343
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW15-1204 NLS ID: 358280**
Ref. Line 5 COC 73751 NS-GW-MW15-1204 Matrix: GW
Collected: 12/10/04 09:30 Received: 12/10/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/28/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/28/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 14 | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 5.6 | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 51 | ug/L | 1 | 5.0* | 10 | 12/16/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | 16 | ug/L | 1 | 5.0* | 10 | 12/16/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/11/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/11/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/12/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/11/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/20/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/14/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 12/30/04 | SW846 8270C | 721026460 |

NORTHERN [illegible]E SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 86343
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW08A-1204 NLS ID: 358281**
Ref. Line 6 COC 73751 NS-GW-MW08A-1204 Matrix: GW
Collected: 12/10/04 09:45 Received: 12/10/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 1.3 | mg/L | 1 | 0.0042 | 0.015 | 12/16/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 12/16/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/28/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/28/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [2.9] | ug/L | 1 | 2.6 | 9.0 | 12/30/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [2.7] | ug/L | 1 | 2.6 | 9.0 | 12/30/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 250 | ug/L | 1 | 2.5* | 5.0 | 12/16/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 240 | ug/L | 1 | 2.5* | 5.0 | 12/16/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/16/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/16/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | [0.20] | ug/L | 1 | 0.17 | 0.50 | 12/16/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | [0.19] | ug/L | 1 | 0.17 | 0.50 | 12/16/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 56 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 55 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 7.3 | ug/L | 1 | 3.6* | | 12/11/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | ug/L | | 3.6* | | 12/21/04 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | |
| Chromium, tot. as Cr by ICP-Trace | 2.1 | ug/L | 1 | 0.51 | 1.8 | 12/16/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 12/16/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 11 | ug/L | 1 | 1.3 | 4.0 | 12/16/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/16/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | 0.020 | mg/L | 1 | 0.0050 | 0.015 | 12/23/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 3.2 | mg/L | 1 | 0.033 | 0.10 | 12/16/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 1.3 | mg/L | 1 | 0.033 | 0.10 | 12/16/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 3.1 | ug/L | 1 | 0.87 | 3.0 | 12/16/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/16/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 18 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 18 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 830 | ug/L | 1 | 1.0* | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 810 | ug/L | 1 | 1.0* | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/15/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 12/15/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | [1.8] | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 13 | mg/L | 1 | 0.53 | 1.9 | 12/28/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 13 | mg/L | 1 | 0.53 | 1.9 | 12/28/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | [2.3] | ug/L | 1 | 1.6 | 5.5 | 12/30/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | [4.4] | ug/L | 1 | 1.6 | 5.5 | 12/30/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 280 | mg/L | 1 | 0.012 | 0.044 | 12/28/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 280 | mg/L | 1 | 0.012 | 0.044 | 12/28/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/28/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel R1/FS 25688375

NLS Project: 86343
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**NS-GW-MW08A-1204 NLS ID: 358281**
Ref. Line 6 COC 73751 NS-GW-MW08A-1204 Matrix: GW
Collected: 12/10/04 09:45 Received: 12/10/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/28/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 3.8 | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [0.92] | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 41 | ug/L | 1 | 5.0* | 10 | 12/16/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/16/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/11/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/11/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/12/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/11/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/20/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/14/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 12/30/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 86343
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW08-1204 NLS ID: 358282**
Ref. Line 7 COC 73751 NS-GW-MW08-1204 Matrix: GW
Collected: 12/10/04 09:40 Received: 12/10/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 170 | mg/L | 1 | 0.0042 | 0.015 | 12/16/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.014] | mg/L | 1 | 0.0042 | 0.015 | 12/16/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/28/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | [5.9] | ug/L | 1 | 3.2 | 11 | 12/28/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 12/30/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | 30 | ug/L | 1 | 2.6 | 9.0 | 12/30/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 1100 | ug/L | 1 | 2.5* | 5.0 | 12/16/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 180 | ug/L | 1 | 2.5* | 5.0 | 12/16/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 5 | 0.85 | 2.5 | 12/19/04 | SW846 6010 | 721026460 |
| | Dilution was required to reduce matrix interferences. | | | | | | | |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/16/04 | SW846 6010 | 721026460 |
| Cadmium, tot as Cd by ICP-Trace | 6.3 | ug/L | 1 | 0.17 | 0.50 | 12/16/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/16/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 320 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 120 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 11 | ug/L | 1 | 3.6* | | 12/11/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 260 | ug/L | 1 | 3.6* | | 12/21/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 270 | ug/L | 1 | 0.51 | 1.8 | 12/16/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 12/16/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 99 | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 250 | ug/L | 1 | 1.3 | 4.0 | 12/16/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/16/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.0050] | mg/L | 1 | 0.0050 | 0.015 | 12/23/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 140 | mg/L | 1 | 0.033 | 0.10 | 12/16/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 12/16/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 53 | ug/L | 1 | 0.87 | 3.0 | 12/16/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [1.2] | ug/L | 1 | 0.87 | 3.0 | 12/16/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 170 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 70 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 3400 | ug/L | 1 | 1.0* | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 49 | ug/L | 1 | 1.0* | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/15/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | 0.073 | ug/L | 1 | 0.025 | 0.050 | 12/15/04 | 245.7M/ 1631M | 721026460 |
| Nickel tot. as Ni by ICP-Trace | 210 | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Nickel. dis. as Ni by ICP-Trace | 2.1 | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.2 | mg/L | 1 | 0.53 | 1.9 | 12/28/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 36 | mg/L | 1 | 0.53 | 1.9 | 12/28/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 12/30/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | [3.5] | ug/L | 1 | 1.6 | 5.5 | 12/30/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 5 | 3.4 | 10 | 12/19/04 | SW846 6010 | 721026460 |
| | Dilution was required to reduce matrix interferences. | | | | | | | |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 240 | mg/L | 1 | 0.012 | 0.044 | 12/28/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 230 | mg/L | 1 | 0.012 | 0.044 | 12/28/04 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 86343
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW08-1204 NLS ID: 358282**
Ref. Line 7 COC 73751 NS-GW-MW08-1204 Matrix: GW
Collected: 12/10/04 09:40 Received: 12/10/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/28/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/28/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 350 | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [1.9] | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 480 | ug/L | 1 | 5.0* | 10 | 12/16/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/16/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/11/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/11/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/12/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/11/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/20/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/14/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 12/30/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel R1/FS 25688375

NLS Project: 86343
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**NS-GW-MW17-1204 NLS ID: 358283**
Ref. Line 8 COC 73751 NS-GW-MW17-1204 Matrix: GW
Collected: 12/10/04 10:30 Received: 12/10/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 3.4 | mg/L | 1 | 0.0042 | 0.015 | 12/16/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 12/16/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/28/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/28/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 12/30/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [2.7] | ug/L | 1 | 2.6 | 9.0 | 12/30/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 200 | ug/L | 1 | 2.5* | 5.0 | 12/16/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 190 | ug/L | 1 | 2.5* | 5.0 | 12/16/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/16/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/16/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | [0.23] | ug/L | 1 | 0.17 | 0.50 | 12/16/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/16/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 110 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 110 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 3.6 | ug/L | 1 | 3.6* | | 12/11/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 4.2 | ug/L | 1 | 3.6* | | 12/21/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 7.8 | ug/L | 1 | 0.51 | 1.8 | 12/16/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 12/16/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | [1.7] | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 17 | ug/L | 1 | 1.3 | 4.0 | 12/16/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/16/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 12/23/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 3.2 | mg/L | 1 | 0.033 | 0.10 | 12/16/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 12/16/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | [3.0] | ug/L | 1 | 0.87 | 3.0 | 12/16/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [1.1] | ug/L | 1 | 0.87 | 3.0 | 12/16/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 75 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 79 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 170 | ug/L | 1 | 1.0* | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | ND | ug/L | 1 | 1.0* | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/15/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 12/15/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 5.5 | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.0 | mg/L | 1 | 0.53 | 1.9 | 12/28/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 4.7 | mg/L | 1 | 0.53 | 1.9 | 12/28/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 12/30/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 12/30/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 32 | mg/L | 1 | 0.012 | 0.044 | 12/28/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 30 | mg/L | 1 | 0.012 | 0.044 | 12/28/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/28/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/28/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 86343
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW17-1204 NLS ID: 358283**
Ref. Line 8 COC 73751 NS-GW-MW17-1204 Matrix: GW
Collected: 12/10/04 10:30 Received: 12/10/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, tot. as V by ICP-Trace | 10 | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 2.5 | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 40 | ug/L | 1 | 5.0* | 10 | 12/16/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [8.7] | ug/L | 1 | 5.0* | 10 | 12/16/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/11/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/11/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/12/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/11/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/20/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/14/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 12/30/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 86343
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW17A-1204 NLS ID: 358284**
Ref. Line 9 COC 73751 NS-GW-MW17A-1204 Matrix: GW
Collected: 12/10/04 10:45 Received: 12/10/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 24 | mg/L | 1 | 0.0042 | 0.015 | 12/16/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0070] | mg/L | 1 | 0.0042 | 0.015 | 12/16/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/28/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/28/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 12/30/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [7.1] | ug/L | 1 | 2.6 | 9.0 | 12/30/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 190 | ug/L | 1 | 2.5* | 5.0 | 12/16/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 34 | ug/L | 1 | 2.5* | 5.0 | 12/16/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 2 | 0.34 | 1.0 | 12/19/04 | SW846 6010 | 721026460 |
| | Dilution was required to reduce matrix interferences. | | | | | | | |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/16/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | 1.1 | ug/L | 1 | 0.17 | 0.50 | 12/16/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/16/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 21 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 17 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 12/11/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 31 | ug/L | 1 | 3.6* | | 12/21/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 31 | ug/L | 1 | 0.51 | 1.8 | 12/16/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 12/16/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 13 | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 95 | ug/L | 1 | 1.3 | 4.0 | 12/16/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/16/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.0050] | mg/L | 1 | 0.0050 | 0.015 | 12/23/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 18 | mg/L | 1 | 0.033 | 0.10 | 12/16/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 12/16/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 21 | ug/L | 1 | 0.87 | 3.0 | 12/16/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/16/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 13 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 4.3 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 500 | ug/L | 1 | 1.0* | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 21 | ug/L | 1 | 1.0* | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/15/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 12/15/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 41 | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.3] | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.6 | mg/L | 1 | 0.53 | 1.9 | 12/28/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 9.4 | mg/L | 1 | 0.53 | 1.9 | 12/28/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 12/30/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | [3.0] | ug/L | 1 | 1.6 | 5.5 | 12/30/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 19 | mg/L | 1 | 0.012 | 0.044 | 12/28/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 18 | mg/L | 1 | 0.012 | 0.044 | 12/28/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/28/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86343
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW17A-1204 NLS ID: 358284**
Ref. Line 9 COC 73751 NS-GW-MW17A-1204 Matrix: GW
Collected: 12/10/04 10:45 Received: 12/10/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/28/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 47 | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 2.1 | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 260 | ug/L | 1 | 5.0* | 10 | 12/16/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/16/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/11/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/11/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/12/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/11/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/20/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/14/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 12/30/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 86343
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-WQ-Dup 3-1204 NLS ID: 358285**
Ref. Line 1 COC 73784 NS-WQ-Dup 3-1204 Matrix: GW
Collected: 12/10/04 00:00 Received: 12/10/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.086 | mg/L | 1 | 0.0042 | 0.015 | 12/16/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 12/16/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/28/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/28/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [7.7] | ug/L | 1 | 2.6 | 9.0 | 12/30/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | 11 | ug/L | 1 | 2.6 | 9.0 | 12/30/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 120 | ug/L | 1 | 2.5* | 5.0 | 12/16/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 120 | ug/L | 1 | 2.5* | 5.0 | 12/16/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/16/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/16/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/16/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/16/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 110 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 110 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 12/11/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 12/21/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 12/16/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 12/16/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/16/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/16/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.0070] | mg/L | 1 | 0.0050 | 0.015 | 12/23/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 0.67 | mg/L | 1 | 0.033 | 0.10 | 12/16/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 0.57 | mg/L | 1 | 0.033 | 0.10 | 12/16/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/16/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/16/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 73 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 74 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 230 | ug/L | 1 | 1.0* | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 220 | ug/L | 1 | 1.0* | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/15/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 12/15/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | [1.5] | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [0.89] | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 8.1 | mg/L | 1 | 0.53 | 1.9 | 12/28/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 7.6 | mg/L | 1 | 0.53 | 1.9 | 12/28/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 12/30/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 12/30/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 34 | mg/L | 1 | 0.012 | 0.044 | 12/28/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 33 | mg/L | 1 | 0.012 | 0.044 | 12/28/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/28/04 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/28/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 86343
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-WQ-Dup 3-1204 NLS ID: 358285**
Ref. Line 1 COC 73784 NS-WQ-Dup 3-1204 Matrix: GW
Collected: 12/10/04 00:00 Received: 12/10/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, tot. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | [8.6] | ug/L | 1 | 5.0* | 10 | 12/16/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/16/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/11/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/11/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/12/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/11/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/20/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/14/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 01/05/05 | SW846 8270C | 721026460 |

NORTHERN [illegible]E SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-360
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel R1/FS 25688375

NLS Project: 86343
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**NS-WQ-Dup 4-1204 NLS ID: 358286**
Ref. Line 2 COC 73784 NS-WQ-Dup 4-1204 Matrix: GW
Collected: 12/10/04 00:00 Received: 12/10/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 4.0 | mg/L | 1 | 0.0042 | 0.015 | 12/16/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 12/16/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/28/04 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 12/28/04 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 12/30/04 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | [3.0] | ug/L | 1 | 2.6 | 9.0 | 12/30/04 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 210 | ug/L | 1 | 2.5* | 5.0 | 12/16/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 180 | ug/L | 1 | 2.5* | 5.0 | 12/16/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 2 | 0.34 | 1.0 | 12/19/04 | SW846 6010 | 721026460 |
| | Dilution was required to reduce matrix interferences. | | | | | | | |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/16/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | [0.25] | ug/L | 1 | 0.17 | 0.50 | 12/16/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/16/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 110 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 110 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 12/11/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 9.7 | ug/L | 1 | 3.6* | | 12/21/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 9.7 | ug/L | 1 | 0.51 | 1.8 | 12/16/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.55] | ug/L | 1 | 0.51 | 1.8 | 12/16/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 2.3 | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 19 | ug/L | 1 | 1.3 | 4.0 | 12/16/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/16/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 12/23/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 3.8 | mg/L | 1 | 0.033 | 0.10 | 12/16/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 12/16/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 4.5 | ug/L | 1 | 0.87 | 3.0 | 12/16/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/16/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 76 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 76 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 190 | ug/L | 1 | 1.0* | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | ND | ug/L | 1 | 1.0* | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/15/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 12/15/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 8.2 | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.1 | mg/L | 1 | 0.53 | 1.9 | 12/28/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 4.9 | mg/L | 1 | 0.53 | 1.9 | 12/28/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 12/30/04 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 12/30/04 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 32 | mg/L | 1 | 0.012 | 0.044 | 12/28/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 31 | mg/L | 1 | 0.012 | 0.044 | 12/28/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/28/04 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86343
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel R1/FS 25688375

**NS-WQ-Dup 4-1204 NLS ID: 358286**
Ref. Line 2 COC 73784 NS-WQ-Dup 4-1204 Matrix: GW
Collected: 12/10/04 00:00 Received: 12/10/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 12/28/04 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 11 | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 2.5 | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 52 | ug/L | 1 | 5.0* | 10 | 12/16/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [8.3] | ug/L | 1 | 5.0* | 10 | 12/16/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/11/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/11/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/12/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/11/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/20/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/14/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 01/05/05 | SW846 8270C | 721026460 |

**NS-WQ-Trip Blank 4-1204 NLS ID: 358287**
Ref. Line 4 COC 73784 NS-WQ-Trip Blank 4-1204 Matrix: TB
Collected: 12/10/04 00:00 Received: 12/10/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 12/20/04 | SW846 8260 | 721026460 |

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

# ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86343**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: SAT2NSP Printed: 01/24/2005 15:37**

**Sample: 358276 NS-GW-MW22A-1204** **Collected: 12/10/04** **Analyzed: 12/20/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 39000 | ug/L | 2500 | 290 | 960 |
| sec-Butylbenzene | ND | ug/L | 2500 | 390 | 1300 |
| Ethylbenzene | [620] | ug/L | 2500 | 350 | 1200 |
| ortho-Xylene | 1600 | ug/L | 2500 | 330 | 1100 |
| Styrene | 4300 | ug/L | 2500 | 350 | 1200 |
| Toluene | 20000 | ug/L | 2500 | 510 | 1900 |
| 1,2,4-Trimethylbenzene | [560] | ug/L | 2500 | 360 | 1200 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 2500 | 310 | 1000 |
| meta,para-Xylene | 3100 | ug/L | 2500 | 660 | 2200 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 2500 | 510 | 1700 |
| Dibromofluoromethane (SURR**) | 104% | | | | |
| Toluene-d8 (SURR**) | 105% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

Matrix spike and matrix spike duplicate recoveries for Toluene were below QC limits.

**Sample: 358277 NS-GW-MW22B-1204** **Collected: 12/10/04** **Analyzed: 12/20/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | 15 | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 101% | | | | |
| Toluene-d8 (SURR**) | 109% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 97% | | | | |

Matrix spike and matrix spike duplicate recoveries for Toluene were below QC limits.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86343**

**Project Description: Xcel R1/FS 25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 01/24/2005 15:37**

**Sample: 358278** **NS-GW-MW18A-1204** **Collected: 12/10/04** **Analyzed: 12/20/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 63000 | ug/L | 5000 | 580 | 1900 |
| sec-Butylbenzene | ND | ug/L | 5000 | 790 | 2600 |
| Ethylbenzene | 3100 | ug/L | 5000 | 710 | 2300 |
| ortho-Xylene | [1900] | ug/L | 5000 | 670 | 2200 |
| Styrene | 2500 | ug/L | 5000 | 700 | 2300 |
| Toluene | 26000 | ug/L | 5000 | 1000 | 3900 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 5000 | 720 | 2400 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 5000 | 610 | 2000 |
| meta,para-Xylene | [3700] | ug/L | 5000 | 1300 | 4400 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 5000 | 1000 | 3400 |
| Dibromofluoromethane (SURR**) | 105% | | | | |
| Toluene-d8 (SURR**) | 110% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 103% | | | | |

Matrix spike and matrix spike duplicate recoveries for Toluene were below QC limits.

**Sample: 358279** **NS-GW-MW18B-1204** **Collected: 12/10/04** **Analyzed: 12/20/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [0.13] | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | 10 | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 95% | | | | |
| Toluene-d8 (SURR**) | 101% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 95% | | | | |

Matrix spike and matrix spike duplicate recoveries for Toluene were below QC limits.

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86343**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: SAT2NSP** **Printed: 01/24/2005 15:37**

**Sample: 358280** **NS-GW-MW15-1204** **Collected: 12/10/04** **Analyzed: 12/20/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 81000 | ug/L | 5000 | 580 | 1900 |
| sec-Butylbenzene | ND | ug/L | 5000 | 790 | 2600 |
| Ethylbenzene | [2100] | ug/L | 5000 | 710 | 2300 |
| ortho-Xylene | [1800] | ug/L | 5000 | 670 | 2200 |
| Styrene | ND | ug/L | 5000 | 700 | 2300 |
| Toluene | 23000 | ug/L | 5000 | 1000 | 3900 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 5000 | 720 | 2400 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 5000 | 610 | 2000 |
| *meta,para*-Xylene | [4000] | ug/L | 5000 | 1300 | 4400 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 5000 | 1000 | 3400 |
| Dibromofluoromethane (SURR**) | 105% | | | | |
| Toluene-d8 (SURR**) | 109% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

Matrix spike and matrix spike duplica e recoveries for Toluene were below QC limits.

**Sample: 358281** **NS-GW-MW08A-1204** **Collected: 12/10/04** **Analyzed: 12/20/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 17000 | ug/L | 1250 | 140 | 480 |
| sec-Butylbenzene | ND | ug/L | 1250 | 200 | 660 |
| Ethylbenzene | 630 | ug/L | 1250 | 180 | 590 |
| ortho-Xylene | [320] | ug/L | 1250 | 170 | 550 |
| Styrene | ND | ug/L | 1250 | 180 | 590 |
| Toluene | [740] | ug/L | 1250 | 260 | 960 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1250 | 180 | 600 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1250 | 150 | 510 |
| *meta,para*-Xylene | [330] | ug/L | 1250 | 330 | 1100 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1250 | 260 | 850 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 104% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 96% | | | | |

Matrix spike and matrix spike duplica e recoveries for Toluene were below QC limits.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86343**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: SAT2NSP** **Printed: 01/24/2005 15:37**

**Sample: 358282** **NS-GW-MW08-1204** **Collected: 12/10/04** **Analyzed: 12/20/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | 6.6 | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 109% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

Matrix spike and matrix spike duplicate recoveries for Toluene were below QC limits.

**Sample: 358283** **NS-GW-MW17-1204** **Collected: 12/10/04** **Analyzed: 12/20/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | 13 | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 106% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

Matrix spike and matrix spike duplicate recoveries for Toluene were below QC limits.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86343**

**Project Description: Xcel R1/FS 25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 01/24/2005 15:37**

**Sample: 358284** **NS-GW-MW17A-1204** **Collected: 12/10/04** **Analyzed: 12/20/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | 9.4 | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| *meta,para-Xylene* | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 102% | | | | |
| Toluene-d8 (SURR**) | 108% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 97% | | | | |

Matrix spike and matrix spike duplicate recoveries for Toluene were below QC limits.

**Sample: 358285** **NS-WQ-Dup 3-1204** **Collected: 12/10/04** **Analyzed: 12/20/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | 15 | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| *meta,para-Xylene* | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 108% | | | | |
| Toluene-d8 (SURR**) | 110% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 107% | | | | |

Matrix spike and matrix spike duplicate recoveries for Toluene were below QC limits.

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86343**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: SAT2NSP** **Printed: 01/24/2005 15:37**

**Sample: 358286** **NS-WQ-Dup 4-1204** **Collected: 12/10/04** **Analyzed: 12/20/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | 16 | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 108% | | | | |
| Toluene-d8 (SURR**) | 110% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 103% | | | | |

Matrix spike and matrix spike duplicate recoveries for Toluene were below QC limits.

**Sample: 358287** **NS-WQ-Trip Blank 4-1204** **Collected: 12/10/04** **Analyzed: 12/20/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | 5.2 | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 104% | | | | |
| Toluene-d8 (SURR**) | 108% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

Matrix spike and matrix spike duplicate recoveries for Toluene were below QC limits.

** Surrogates are used to evaluate a method's Quality Control.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86343**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:37**

**Sample: 358276** **NS-GW-MW22A-1204** **Collected: 12/10/04** **Analyzed: 12/30/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 400 | 600 | 2000 |
| Acenaphthylene | ND | ug/L | 400 | 670 | 2200 |
| Anthracene | ND | ug/L | 400 | 540 | 1800 |
| Benzo[a]anthracene | ND | ug/L | 400 | 550 | 1800 |
| Benzo[a]pyrene | ND | ug/L | 400 | 550 | 1800 |
| Benzo[b]fluoranthene | ND | ug/L | 400 | 510 | 1700 |
| Benzo[g,h,i]perylene | ND | ug/L | 400 | 540 | 1800 |
| Benzo[k]fluoranthene | ND | ug/L | 400 | 670 | 2200 |
| Chrysene | ND | ug/L | 400 | 560 | 1900 |
| Dibenzo[a,h]anthracene | ND | ug/L | 400 | 530 | 1800 |
| Dibenzofuran | ND | ug/L | 400 | 630 | 2100 |
| Fluoranthene | ND | ug/L | 400 | 570 | 1900 |
| Fluorene | ND | ug/L | 400 | 680 | 2300 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 400 | 620 | 2100 |
| 1-Methylnaphthalene | [1600] | ug/L | 400 | 640 | 2100 |
| 2-Methylnaphthalene | 2300 | ug/L | 400 | 610 | 2100 |
| 2-Methylphenol | [1200] | ug/L | 400 | 450 | 1600 |
| 3 & 4-Methylphenol | 2000 | ug/L | 400 | 510 | 1700 |
| Naphthalene | 13000 | ug/L | 400 | 660 | 2200 |
| Phenanthrene | ND | ug/L | 400 | 570 | 1900 |
| Phenol | 830 | ug/L | 400 | 200 | 680 |
| Pyrene | ND | ug/L | 400 | 580 | 1900 |
| Benzo[e]pyrene | ND | ug/L | 400 | 440 | 1500 |
| 2-Fluorophenol (SURR**) | 75% | | | | |
| Phenol-d5 (SURR**) | 48% | | | | |
| Nitrobenzene-d5 (SURR**) | 113% | | | | |
| 2-Fluorobiphenyl (SURR**) | 133% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 136% | | | | |
| Terphenyl-d14 (SURR**) | 136% | | | | |

Matrix spike recoveries for Phenol and 2-Methylphenol were below QC limits.

Surrogate recoveries for 2-Fluorophenol and 2-Fluorobiphenyl were outside QC limits due to sample matrix and a high dilution factor.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86343**

**Project Description: Xcel R1/FS 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:37**

**Sample: 358277** **NS-GW-MW22B-1204** **Collected: 12/10/04** **Analyzed: 12/30/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | [3.2] | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | [1.8] | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | 4.8 | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | [1.6] | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 35% | | | | |
| Phenol-d5 (SURR**) | 21% | | | | |
| Nitrobenzene-d5 (SURR**) | 69% | | | | |
| 2-Fluorobiphenyl (SURR**) | 79% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 97% | | | | |
| Terphenyl-d14 (SURR**) | 84% | | | | |

Matrix spike recoveries for Phenol and 2-Methylphenol were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86343**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:37**

**Sample: 358278** **NS-GW-MW18A-1204** **Collected: 12/10/04** **Analyzed: 12/30/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 300 | 1000 |
| Acenaphthylene | ND | ug/L | 200 | 340 | 1100 |
| Anthracene | ND | ug/L | 200 | 270 | 900 |
| Benzo[a]anthracene | ND | ug/L | 200 | 280 | 920 |
| Benzo[a]pyrene | ND | ug/L | 200 | 280 | 920 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 250 | 840 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 270 | 900 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 340 | 1100 |
| Chrysene | ND | ug/L | 200 | 280 | 930 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 260 | 880 |
| Dibenzofuran | ND | ug/L | 200 | 310 | 1000 |
| Fluoranthene | ND | ug/L | 200 | 290 | 950 |
| Fluorene | ND | ug/L | 200 | 340 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 310 | 1000 |
| 1-Methylnaphthalene | [480] | ug/L | 200 | 320 | 1100 |
| 2-Methylnaphthalene | [670] | ug/L | 200 | 310 | 1000 |
| 2-Methylphenol | 3400 | ug/L | 200 | 220 | 820 |
| 3 & 4-Methylphenol | 4200 | ug/L | 200 | 250 | 840 |
| Naphthalene | 5300 | ug/L | 200 | 330 | 1100 |
| Phenanthrene | ND | ug/L | 200 | 290 | 950 |
| Phenol | 690 | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 290 | 960 |
| Benzo[e]pyrene | ND | ug/L | 200 | 220 | 740 |
| 2-Fluorophenol (SURR**) | 74% | | | | |
| Phenol-d5 (SURR**) | 38% | | | | |
| Nitrobenzene-d5 (SURR**) | 89% | | | | |
| 2-Fluorobiphenyl (SURR**) | 107% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 117% | | | | |
| Terphenyl-d14 (SURR**) | 107% | | | | |

Matrix spike recoveries for Phenol and 2-Methylphenol were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86343**

**Project Description: Xcel R1/FS 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:37**

**Sample: 358279** **NS-GW-MW18B-1204** **Collected: 12/10/04** **Analyzed: 12/30/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 36% | | | | |
| Phenol-d5 (SURR**) | 22% | | | | |
| Nitrobenzene-d5 (SURR**) | 70% | | | | |
| 2-Fluorobiphenyl (SURR**) | 78% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 93% | | | | |
| Terphenyl-d14 (SURR**) | 91% | | | | |

Matrix spike recoveries for Phenol and 2-Methylphenol were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86343**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:37**

**Sample: 358280** **NS-GW-MW15 1204** **Collected: 12/10/04** **Analyzed: 12/30/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 400 | 600 | 2000 |
| Acenaphthylene | ND | ug/L | 400 | 670 | 2200 |
| Anthracene | ND | ug/L | 400 | 540 | 1800 |
| Benzo[a]anthracene | ND | ug/L | 400 | 550 | 1800 |
| Benzo[a]pyrene | ND | ug/L | 400 | 550 | 1800 |
| Benzo[b]fluoranthene | ND | ug/L | 400 | 510 | 1700 |
| Benzo[g,h,i]perylene | ND | ug/L | 400 | 540 | 1800 |
| Benzo[k]fluoranthene | ND | ug/L | 400 | 670 | 2200 |
| Chrysene | ND | ug/L | 400 | 560 | 1900 |
| Dibenzo[a,h]anthracene | ND | ug/L | 400 | 530 | 1800 |
| Dibenzofuran | ND | ug/L | 400 | 630 | 2100 |
| Fluoranthene | ND | ug/L | 400 | 570 | 1900 |
| Fluorene | ND | ug/L | 400 | 680 | 2300 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 400 | 620 | 2100 |
| 1-Methylnaphthalene | [790] | ug/L | 400 | 640 | 2100 |
| 2-Methylnaphthalene | [1400] | ug/L | 400 | 610 | 2100 |
| 2-Methylphenol | ND | ug/L | 400 | 450 | 1600 |
| 3 & 4-Methylphenol | [700] | ug/L | 400 | 510 | 1700 |
| Naphthalene | 11000 | ug/L | 400 | 660 | 2200 |
| Phenanthrene | ND | ug/L | 400 | 570 | 1900 |
| Phenol | [210] | ug/L | 400 | 200 | 680 |
| Pyrene | ND | ug/L | 400 | 580 | 1900 |
| Benzo[e]pyrene | ND | ug/L | 400 | 440 | 1500 |
| 2-Fluorophenol (SURR**) | 31% | | | | |
| Phenol-d5 (SURR**) | 21% | | | | |
| Nitrobenzene-d5 (SURR**) | 76% | | | | |
| 2-Fluorobiphenyl (SURR**) | 89% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 60% | | | | |
| Terphenyl-d14 (SURR**) | 95% | | | | |

A 10 fold dilution was performed during extraction.

Matrix spike recoveries for Phenol and 2-Methylphenol were below QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86343**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:37**

**Sample: 358281** **NS-GW-MW08A-1204** **Collected: 12/10/04** **Analyzed: 12/30/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 20 | 30 | 100 |
| Acenaphthylene | ND | ug/L | 20 | 34 | 110 |
| Anthracene | ND | ug/L | 20 | 27 | 90 |
| Benzo[a]anthracene | ND | ug/L | 20 | 28 | 92 |
| Benzo[a]pyrene | ND | ug/L | 20 | 28 | 92 |
| Benzo[b]fluoranthene | ND | ug/L | 20 | 25 | 84 |
| Benzo[g,h,i]perylene | ND | ug/L | 20 | 27 | 90 |
| Benzo[k]fluoranthene | ND | ug/L | 20 | 34 | 110 |
| Chrysene | ND | ug/L | 20 | 28 | 93 |
| Dibenzo[a,h]anthracene | ND | ug/L | 20 | 26 | 88 |
| Dibenzofuran | ND | ug/L | 20 | 31 | 100 |
| Fluoranthene | ND | ug/L | 20 | 29 | 95 |
| Fluorene | ND | ug/L | 20 | 34 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 20 | 31 | 100 |
| 1-Methylnaphthalene | ND | ug/L | 20 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/L | 20 | 31 | 100 |
| 2-Methylphenol | 290 | ug/L | 20 | 22 | 82 |
| 3 & 4-Methylphenol | 100 | ug/L | 20 | 25 | 84 |
| Naphthalene | ND | ug/L | 20 | 33 | 110 |
| Phenanthrene | ND | ug/L | 20 | 29 | 95 |
| Phenol | [29] | ug/L | 20 | 10 | 34 |
| Pyrene | ND | ug/L | 20 | 29 | 96 |
| Benzo[e]pyrene | ND | ug/L | 20 | 22 | 74 |
| 2-Fluorophenol (SURR**) | 38% | | | | |
| Phenol-d5 (SURR**) | 22% | | | | |
| Nitrobenzene-d5 (SURR**) | 73% | | | | |
| 2-Fluorobiphenyl (SURR**) | 89% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 80% | | | | |
| Terphenyl-d14 (SURR**) | 96% | | | | |

Matrix spike recoveries for Phenol and 2-Methylphenol were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86343**
**Project Description: Xcel R1/F S 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:37**

**Sample: 358282** **NS-GW-MW08-1204** **Collected: 12/10/04** **Analyzed: 12/30/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 30% | | | | |
| Phenol-d5 (SURR**) | 21% | | | | |
| Nitrobenzene-d5 (SURR**) | 68% | | | | |
| 2-Fluorobiphenyl (SURR**) | 77% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 80% | | | | |
| Terphenyl-d14 (SURR**) | 53% | | | | |

Matrix spike recoveries for Phenol and 2-Methylphenol were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86343**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:37**

**Sample: 358283** **NS-GW-MW17-1204** **Collected: 12/10/04** **Analyzed: 12/30/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 29% | | | | |
| Phenol-d5 (SURR**) | 20% | | | | |
| Nitrobenzene-d5 (SURR**) | 67% | | | | |
| 2-Fluorobiphenyl (SURR**) | 76% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 83% | | | | |
| Terphenyl-d14 (SURR**) | 78% | | | | |

*Matrix spike recoveries for Phenol and 2-Methylphenol were below QC limits.*

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86343**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:37**

**Sample: 358284** **NS-GW-MW17A-1204** **Collected: 12/10/04** **Analyzed: 12/30/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 32% | | | | |
| Phenol-d5 (SURR**) | 21% | | | | |
| Nitrobenzene-d5 (SURR**) | 65% | | | | |
| 2-Fluorobiphenyl (SURR**) | 74% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 89% | | | | |
| Terphenyl-d14 (SURR**) | 75% | | | | |

Matrix spike recoveries for Phenol and 2-Methylphenol were below QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86343**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:37**

**Sample: 358285** **NS-WQ-Dup 3-1204** **Collected: 12/10/04** **Analyzed: 01/05/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | [3.2] | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | [1.8] | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | [4.6] | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | [1.6] | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 33% | | | | |
| Phenol-d5 (SURR**) | 20% | | | | |
| Nitrobenzene-d5 (SURR**) | 66% | | | | |
| 2-Fluorobiphenyl (SURR**) | 77% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 94% | | | | |
| Terphenyl-d14 (SURR**) | 84% | | | | |

Matrix spike recoveries for Phenol and 2-Methylphenol were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86343**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:37**

**Sample: 358286** **NS-WQ-Dup 4 1204** **Collected: 12/10/04** **Analyzed: 01/05/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 27% | | | | |
| Phenol-d5 (SURR**) | 16% | | | | |
| Nitrobenzene-d5 (SURR**) | 64% | | | | |
| 2-Fluorobiphenyl (SURR**) | 77% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 91% | | | | |
| Terphenyl-d14 (SURR**) | 76% | | | | |

Matrix spike recoveries for Phenol and 2-Methylphenol were below QC limits.

** Surrogates are used to evaluate a method's Quality Control.

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86359
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-AW-02 1204 NLS ID: 358425**
Ref. Line 1 COC 73749 NS-GW-AW-02 1204 Matrix: GW
Collected: 12/13/04 14:15 Received: 12/14/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 12/16/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 12/16/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 01/03/05 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 1.3 | 4.5 | 01/03/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 01/07/05 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 0.73 | 2.6 | 01/07/05 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 76 | ug/L | 1 | 2.5* | 5.0 | 12/16/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 79 | ug/L | 1 | 2.5* | 5.0 | 12/16/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/19/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/16/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/16/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/16/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 20 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 21 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 12/14/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 12/21/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 12/16/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 12/16/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/16/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/16/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 12/23/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 12/16/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 12/16/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/16/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/16/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 6.4 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 6.7 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 40 | ug/L | 1 | 1.0* | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 41 | ug/L | 1 | 1.0* | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/16/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 12/16/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 3.1 | mg/L | 1 | 0.53 | 1.9 | 12/29/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 2.7 | mg/L | 1 | 0.53 | 1.9 | 12/29/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 01/03/05 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 2.1 | 7.6 | 01/03/05 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 16 | mg/L | 1 | 0.012 | 0.044 | 12/29/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 13 | mg/L | 1 | 0.012 | 0.044 | 12/29/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 01/06/05 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 1.4 | 4.8 | 01/06/05 | SW846 7841 | 721026460 |

NORTHERN[illegible]E SERVICE, INC.
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-550
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 86359
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-AW-02 1204 NLS ID: 358425**
Ref. Line 1 COC 73749 NS-GW-AW-02 1204 Matrix: GW
Collected: 12/13/04 14:15 Received: 12/14/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, tot as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/16/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/16/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/15/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/15/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/15/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/15/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/21/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/15/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 12/16/04 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
*EPA Laboratory ID No. WI00034*



NLS Project: 86359
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
*Attn: Ben Nelson*
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-AW-01 1204 NLS ID: 358426**
Ref. Line 2 COC 73749 NS-GW-AW-01 1204 Matrix: GW
Collected: 12/13/04 14:35 Received: 12/14/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 12/16/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 12/16/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 01/03/05 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 1.3 | 4.5 | 01/03/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 01/07/05 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | 3.2 | ug/L | 1 | 0.73 | 2.6 | 01/07/05 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 71 | ug/L | 1 | 2.5* | 5.0 | 12/16/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 74 | ug/L | 1 | 2.5* | 5.0 | 12/16/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/19/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/16/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | [0.20] | ug/L | 1 | 0.17 | 0.50 | 12/16/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/16/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 21 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 23 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 12/14/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 12/21/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [0.71] | ug/L | 1 | 0.51 | 1.8 | 12/16/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 12/16/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/16/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/16/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 12/23/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 12/16/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 12/16/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/16/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [1.1] | ug/L | 1 | 0.87 | 3.0 | 12/16/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 6.6 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 7.1 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 30 | ug/L | 1 | 1.0* | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 31 | ug/L | 1 | 1.0* | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/16/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 12/16/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 3.5 | mg/L | 1 | 0.53 | 1.9 | 12/29/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 3.3 | mg/L | 1 | 0.53 | 1.9 | 12/29/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 01/03/05 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 2.1 | 7.6 | 01/03/05 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 17 | mg/L | 1 | 0.012 | 0.044 | 12/29/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 16 | mg/L | 1 | 0.012 | 0.044 | 12/29/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 01/06/05 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 1.4 | 4.8 | 01/06/05 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 86359
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-AW-01 1204 NLS ID: 358426**
Ref. Line 2 COC 73749 NS-GW-AW-01 1204 Matrix: GW
Collected: 12/13/04 14:35 Received: 12/14/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, tot. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/16/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/16/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/15/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/15/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/15/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/15/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/21/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/15/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 12/16/04 | SW846 8270C | 721026460 |

**NS-WQ-Trip Blank 5-1204 NLS ID: 358427**
Ref. Line 3 COC 73749 NS-WQ-Trip Blank 5-1204 Matrix: TB
Collected: 12/13/04 00:00 Received: 12/14/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 12/21/04 | SW846 8260 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86359
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel R1/FS 25688375

**NS-WQ-Dup5 1204 NLS ID: 358428**
Ref. Line 4 COC 73749 NS-WQ-Dup5 1204 Matrix: GW
Collected: 12/13/04 00:00 Received: 12/14/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 12/16/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 12/16/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 01/03/05 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 1.3 | 4.5 | 01/03/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 01/07/05 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 0.73 | 2.6 | 01/07/05 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 73 | ug/L | 1 | 2.5* | 5.0 | 12/16/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 73 | ug/L | 1 | 2.5* | 5.0 | 12/16/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/19/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/16/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/16/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/16/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 22 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 22 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 12/14/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 12/21/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 12/16/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.56] | ug/L | 1 | 0.51 | 1.8 | 12/16/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/16/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/16/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 12/23/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 12/16/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 12/16/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/16/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/16/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 6.8 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 6.9 | mg/L | 1 | 0.15* | 0.30 | 12/16/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 30 | ug/L | 1 | 1.0* | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 31 | ug/L | 1 | 1.0* | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/16/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 12/16/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 3.5 | mg/L | 1 | 0.53 | 1.9 | 12/29/04 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 3.3 | mg/L | 1 | 0.53 | 1.9 | 12/29/04 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | [2.1] | ug/L | 1 | 1.6 | 5.5 | 01/03/05 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 2.1 | 7.6 | 01/03/05 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 17 | mg/L | 1 | 0.012 | 0.044 | 12/29/04 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 16 | mg/L | 1 | 0.012 | 0.044 | 12/29/04 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 01/06/05 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 1.4 | 4.8 | 01/06/05 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 86359
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-WQ-Dup5 1204 NLS ID: 358428**
Ref. Line 4 COC 73749 NS-WQ-Dup5 1204 Matrix: GW
Collected: 12/13/04 00:00 Received: 12/14/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, tot. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/16/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/16/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/16/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/15/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/15/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/15/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/15/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/21/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/15/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 12/16/04 | SW846 8270C | 721026460 |

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

# ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86359**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: SAT2NSP** **Printed: 01/24/2005 15:36**

**Sample: 358425 NS-GW-AW-02 1204** **Collected: 12/13/04** **Analyzed: 12/21/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | [0.53] | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 104% | | | | |
| Toluene-d8 (SURR**) | 108% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

**Sample: 358426 NS-GW-AW-01 1204** **Collected: 12/13/04** **Analyzed: 12/21/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | [0.47] | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 109% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

**Sample: 358427 NS-WQ-Trip Blank 5-1204** **Collected: 12/13/04** **Analyzed: 12/21/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | [0.57] | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 106% | | | | |
| Toluene-d8 (SURR**) | 105% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86359**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: SAT2NSP** **Printed: 01/24/2005 15:36**

**Sample: 358428 NS-WQ-Dup5 1204** **Collected: 12/13/04** **Analyzed: 12/21/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | [0.45] | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 109% | | | | |
| Toluene-d8 (SURR**) | 112% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 105% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86359**

**Project Description: Xcel R1/FS 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:36**

**Sample: 358425** **NS-GW-AW-02 1204** **Collected: 12/13/04** **Analyzed: 12/16/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 39% | | | | |
| Phenol-d5 (SURR**) | 24% | | | | |
| Nitrobenzene-d5 (SURR**) | 73% | | | | |
| 2-Fluorobiphenyl (SURR**) | 76% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 87% | | | | |
| Terphenyl-d14 (SURR**) | 77% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86359**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:36**

**Sample: 358426** **NS-GW-AW-01 1204** **Collected: 12/13/04** **Analyzed: 12/16/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 40% | | | | |
| Phenol-d5 (SURR**) | 25% | | | | |
| Nitrobenzene-d5 (SURR**) | 74% | | | | |
| 2-Fluorobiphenyl (SURR**) | 79% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 92% | | | | |
| Terphenyl-d14 (SURR**) | 76% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86359**

**Project Description: Xcel R1/FS 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:36**

**Sample: 358428** **NS-WQ-Dup5 1204** **Collected: 12/13/04** **Analyzed: 12/16/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 41% | | | | |
| Phenol-d5 (SURR**) | 26% | | | | |
| Nitrobenzene-d5 (SURR**) | 77% | | | | |
| 2-Fluorobiphenyl (SURR**) | 79% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 88% | | | | |
| Terphenyl-d14 (SURR**) | 76% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

NORTHERN [illegible]E SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 86407
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW-02 (NET)-1204 NLS ID: 358578**
Ref. Line 1 COC 73756 NS-GW-MW-02 (NET)-1204 Matrix: GW
Collected: 12/14/04 08:30 Received: 12/15/04
Notes: Hexavalent Chromium Collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 11 | mg/L | 1 | 0.0042 | 0.015 | 12/19/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | 0.017 | mg/L | 1 | 0.0042 | 0.015 | 12/19/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 01/04/05 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 1.3 | 4.5 | 01/04/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 01/07/05 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | 3.9 | ug/L | 1 | 0.73 | 2.6 | 01/07/05 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 110 | ug/L | 1 | 2.5* | 5.0 | 12/19/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 31 | ug/L | 1 | 2.5* | 5.0 | 12/19/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/20/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/19/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | 0.60 | ug/L | 1 | 0.17 | 0.50 | 12/19/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/19/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 42 | mg/L | 1 | 0.15* | 0.30 | 12/19/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 35 | mg/L | 1 | 0.15* | 0.30 | 12/19/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 12/15/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 71 | ug/L | 1 | 3.6* | | 12/21/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 71 | ug/L | 1 | 0.51 | 1.8 | 12/19/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.78] | ug/L | 1 | 0.51 | 1.8 | 12/19/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 4.8 | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 38 | ug/L | 1 | 1.3 | 4.0 | 12/19/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/19/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.0060] | mg/L | 1 | 0.0050 | 0.015 | 12/23/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 9.0 | mg/L | 1 | 0.033 | 0.10 | 12/19/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 0.22 | mg/L | 1 | 0.033 | 0.10 | 12/19/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 14 | ug/L | 1 | 0.87 | 3.0 | 12/19/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/19/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 16 | mg/L | 1 | 0.15* | 0.30 | 12/19/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 10 | mg/L | 1 | 0.15* | 0.30 | 12/19/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 150 | ug/L | 1 | 1.0* | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 19 | ug/L | 1 | 1.0* | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/16/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | 0.078 | ug/L | 1 | 0.025 | 0.050 | 12/16/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 19 | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.5] | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 5.0 | mg/L | 1 | 0.53 | 1.9 | 01/05/05 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 7.8 | mg/L | 1 | 0.39 | 1.4 | 01/05/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 01/04/05 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 2.1 | 7.6 | 01/04/05 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 24 | mg/L | 1 | 0.012 | 0.044 | 01/05/05 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 31 | mg/L | 1 | 0.013 | 0.047 | 01/05/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 01/06/05 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86407
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW-02 (NET)-1204 NLS ID: 358578**
Ref. Line 1 COC 73756 NS-GW-MW-02 (NET)-1204 Matrix: GW
Collected: 12/14/04 08:30 Received: 12/15/04
Notes: Hexavalent Chromium Collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 1.4 | 4.8 | 01/06/05 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 18 | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [1.5] | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 210 | ug/L | 1 | 5.0* | 10 | 12/19/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | 25 | ug/L | 1 | 5.0* | 10 | 12/19/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/16/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/16/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/16/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/16/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/22/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/16/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 01/05/05 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 86407
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW-02A (NET)-1204 NLS ID: 358579**
Ref. Line 2 COC 73756 NS-GW-MW-02A (NET)-1204 Matrix: GW
Collected: 12/14/04 08:45 Received: 12/15/04
Notes: Hexavalent Chromium Collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.080 | mg/L | 1 | 0.0042 | 0.015 | 12/19/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 12/19/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 01/04/05 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 1.3 | 4.5 | 01/04/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [5.7] | ug/L | 1 | 2.6 | 9.0 | 01/07/05 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | 4.4 | ug/L | 1 | 0.73 | 2.6 | 01/07/05 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 140 | ug/L | 1 | 2.5* | 5.0 | 12/19/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 130 | ug/L | 1 | 2.5* | 5.0 | 12/19/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/19/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/19/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/19/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/19/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 19 | mg/L | 1 | 0.15* | 0.30 | 12/19/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 19 | mg/L | 1 | 0.15* | 0.30 | 12/19/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 12/15/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 12/21/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [0.82] | ug/L | 1 | 0.51 | 1.8 | 12/19/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 12/19/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/19/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/19/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 12/23/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 0.10 | mg/L | 1 | 0.033 | 0.10 | 12/19/04 | SW846 6010 | 721026460 |
| | Batch 149 prep blank was contaminiated at 0.049 mg/L. | | | | | | | |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 12/19/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/19/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/19/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 7.2 | mg/L | 1 | 0.15* | 0.30 | 12/19/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 7.2 | mg/L | 1 | 0.15* | 0.30 | 12/19/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 20 | ug/L | 1 | 1.0* | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 18 | ug/L | 1 | 1.0* | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/16/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 12/16/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.1 | mg/L | 1 | 0.53 | 1.9 | 01/05/05 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 4.0 | mg/L | 1 | 0.39 | 1.4 | 01/05/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 01/04/05 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 2.1 | 7.6 | 01/04/05 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 15 | mg/L | 1 | 0.012 | 0.044 | 01/05/05 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 14 | mg/L | 1 | 0.013 | 0.047 | 01/05/05 | SW846 6010 | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
***Ph: (715)-478-2777 Fax: (715)-478-3060***

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 86407**
**NLS Customer: 91206**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Ben Nelson**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel R1/FS 25688375**

**NS-GW-MW-02A (NET)-1204 NLS ID: 358579**
Ref. Line 2 COC 73756 NS-GW-MW-02A (NET)-1204 Matrix: GW
Collected: 12/14/04 08:45 Received: 12/15/04
Notes: Hexavalent Chromium Collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 01/06/05 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 1.4 | 4.8 | 01/06/05 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/19/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/19/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/16/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/16/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/16/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/16/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/22/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/16/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 01/05/05 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 86407
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW-02B (NET)-1204 NLS ID: 358580**
Ref. Line 3 COC 73756 NS-GW-MW-02B (NET)-1204 Matrix: GW
Collected: 12/14/04 09:30 Received: 12/15/04
Notes: Hexavalent Chromium Collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | [0.0090] | mg/L | 1 | 0.0042 | 0.015 | 12/19/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 12/19/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 01/04/05 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 1.3 | 4.5 | 01/04/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [2.6] | ug/L | 1 | 2.6 | 9.0 | 01/07/05 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 2 | 1.5 | 5.1 | 01/07/05 | SW846 7060 | 721026460 |
| | Sample required a dilution to overcome negative interference encountered during analysis. | | | | | | | |
| Barium, tot. as Ba by ICP-Trace | 700 | ug/L | 1 | 2.5* | 5.0 | 12/19/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 780 | ug/L | 1 | 2.5* | 5.0 | 12/19/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/19/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/19/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/19/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/19/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 73 | mg/L | 1 | 0.15* | 0.30 | 12/19/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 78 | mg/L | 1 | 0.15* | 0.30 | 12/19/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 16 | ug/L | 1 | 3.6* | | 12/15/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | ug/L | | 3.6* | | 12/21/04 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | |
| Chromium, tot. as Cr by ICP-Trace | [0.62] | ug/L | 1 | 0.51 | 1.8 | 12/19/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.72] | ug/L | 1 | 0.51 | 1.8 | 12/19/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Copper tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/19/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/19/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.011] | mg/L | 1 | 0.0050 | 0.015 | 12/23/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 0.61 | mg/L | 1 | 0.033 | 0.10 | 12/19/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 0.61 | mg/L | 1 | 0.033 | 0.10 | 12/19/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/19/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/19/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 38 | mg/L | 1 | 0.15* | 0.30 | 12/19/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 42 | mg/L | 1 | 0.15* | 0.30 | 12/19/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 140 | ug/L | 1 | 1.0* | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 150 | ug/L | 1 | 1.0* | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/16/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 12/16/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [0.71] | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 7.4 | mg/L | 1 | 0.53 | 1.9 | 01/05/05 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 6.8 | mg/L | 1 | 0.39 | 1.4 | 01/05/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 01/04/05 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 2.1 | 7.6 | 01/04/05 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 25 | mg/L | 1 | 0.012 | 0.044 | 01/05/05 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86407
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel R1/FS 25688375

**NS-GW-MW-02B (NET)-1204 NLS ID: 358580**
Ref. Line 3 COC 73756 NS-GW-MW-02B (NET)-1204 Matrix: GW
Collected: 12/14/04 09:30 Received: 12/15/04
Notes: Hexavalent Chromium Collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Sodium, tot. as Na | 25 | mg/L | 1 | 0.013 | 0.047 | 01/05/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 01/06/05 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 1.4 | 4.8 | 01/06/05 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/19/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/19/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/16/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/16/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/16/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/16/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/22/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/16/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 01/05/05 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel R1/FS 25688375

NLS Project: 86407
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**NS-GW-MW-01 (NET)-1204 NLS ID: 358581**
Ref. Line 4 COC 73756 NS-GW-MW-01 (NET)-1204 Matrix: GW
Collected: 12/14/04 10:30 Received: 12/15/04
Notes: Hexavalent Chromium Collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.017 | mg/L | 1 | 0.0042 | 0.015 | 12/19/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | 0.018 | mg/L | 1 | 0.0042 | 0.015 | 12/19/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 01/04/05 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 1.3 | 4.5 | 01/04/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 2 | 5.1 | 18 | 01/07/05 | SW846 7060 | 721026460 |
| | Matrix spike and spike duplicate recoveries for this sample where outside of the NLS in-house control limits at 129% and 133% respectively. Problem attributed to sample matrix. | | | | | | | |
| Arsenic, tot. as As by furnace AAS | 3.9 | ug/L | 1 | 0.73 | 2.6 | 01/07/05 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 220 | ug/L | 1 | 2.5* | 5.0 | 12/19/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 210 | ug/L | 1 | 2.5* | 5.0 | 12/19/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/19/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/19/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | [0.47] | ug/L | 1 | 0.17 | 0.50 | 12/19/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | [0.41] | ug/L | 1 | 0.17 | 0.50 | 12/19/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 74 | mg/L | 1 | 0.15* | 0.30 | 12/19/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 72 | mg/L | 1 | 0.15* | 0.30 | 12/19/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 19 | ug/L | 1 | 3.6* | | 12/15/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | ug/L | | 3.6* | | 12/21/04 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | |
| Chromium, tot. as Cr by ICP-Trace | [1.1] | ug/L | 1 | 0.51 | 1.8 | 12/19/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.63] | ug/L | 1 | 0.51 | 1.8 | 12/19/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/19/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/19/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.011] | mg/L | 1 | 0.0050 | 0.015 | 12/23/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 11 | mg/L | 1 | 0.033 | 0.10 | 12/19/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 11 | mg/L | 1 | 0.033 | 0.10 | 12/19/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/19/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/19/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 21 | mg/L | 1 | 0.15* | 0.30 | 12/19/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 20 | mg/L | 1 | 0.15* | 0.30 | 12/19/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 660 | ug/L | 1 | 1.0* | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 640 | ug/L | 1 | 1.0* | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/16/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 12/16/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.8 | mg/L | 1 | 0.53 | 1.9 | 01/05/05 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 5.0 | mg/L | 1 | 0.39 | 1.4 | 01/05/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 01/04/05 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 2.1 | 7.6 | 01/04/05 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86407
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW-01 (NET)-1204 NLS ID: 358581**
Ref. Line 4 COC 73756 NS-GW-MW-01 (NET)-1204 Matrix: GW
Collected: 12/14/04 10:30 Received: 12/15/04
Notes: Hexavalent Chromium Collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Sodium, dis. as Na | 110 | mg/L | 1 | 0.012 | 0.044 | 01/05/05 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 110 | mg/L | 1 | 0.013 | 0.047 | 01/05/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 2 | 5.0 | 17 | 01/06/05 | SW846 7841 | 721026460 |
| | Matrix spike and spike duplicate recoveries for this sample where outside of the NLS in-house control limits at 61.4% and 68.8% respectively. Problem attributed to sample matrix. | | | | | | | |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 1.4 | 4.8 | 01/06/05 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 2.9 | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 2.3 | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/19/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/19/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/16/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/16/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/16/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/16/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/22/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/16/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 01/05/05 | SW846 8270C | 721026460 |

NORTHERN [illegible]E SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 86407
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW-23A-1204 NLS ID: 358582**
Ref. Line 5 COC 73756 NS-GW-MW-23A-1204 Matrix: GW
Collected: 12/14/04 13:00 Received: 12/15/04
Notes: Hexavalent Chromium Collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.13 | mg/L | 1 | 0.0042 | 0.015 | 12/19/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 12/19/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 01/04/05 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 1.3 | 4.5 | 01/04/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 01/07/05 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | 3.2 | ug/L | 1 | 0.73 | 2.6 | 01/07/05 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 230 | ug/L | 1 | 2.5* | 5.0 | 12/19/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 230 | ug/L | 1 | 2.5* | 5.0 | 12/19/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/19/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/19/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/19/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/19/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 62 | mg/L | 1 | 0.15* | 0.30 | 12/19/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 62 | mg/L | 1 | 0.15* | 0.30 | 12/19/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 12/15/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 12/21/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [0.77] | ug/L | 1 | 0.51 | 1.8 | 12/19/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 12/19/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/19/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/19/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 12/23/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 0.41 | mg/L | 1 | 0.033 | 0.10 | 12/19/04 | SW846 6010 | 721026460 |
| | Batch 149 prep blank was contaminiated for iron at 0.049 mg/L. | | | | | | | |
| Iron, dis. as Fe by ICP-Trace | 0.31 | mg/L | 1 | 0.033 | 0.10 | 12/19/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/19/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/19/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 34 | mg/L | 1 | 0.15* | 0.30 | 12/19/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 34 | mg/L | 1 | 0.15* | 0.30 | 12/19/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 120 | ug/L | 1 | 1.0* | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 120 | ug/L | 1 | 1.0* | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/16/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 12/16/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 5.7 | mg/L | 1 | 0.53 | 1.9 | 01/05/05 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 5.8 | mg/L | 1 | 0.39 | 1.4 | 01/05/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 01/04/05 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 2.1 | 7.6 | 01/04/05 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 23 | mg/L | 1 | 0.012 | 0.044 | 01/05/05 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 23 | mg/L | 1 | 0.013 | 0.047 | 01/05/05 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86407
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW-23A-1204 NLS ID: 358582**
Ref. Line 5 COC 73756 NS-GW-MW-23A -1204 Matrix: GW
Collected: 12/14/04 13:00 Received: 12/15/04
Notes: Hexavalent Chromium Collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 01/06/05 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 1.4 | 4.8 | 01/06/05 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | [0.70] | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/19/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/19/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/16/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/16/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/16/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/16/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/22/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/16/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 01/05/05 | SW846 8270C | 721026460 |

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Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86407
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW-23B -1204 NLS ID: 358583**
Ref. Line 6 COC 73756 NS-GW-MW-23B -1204 Matrix: GW
Collected: 12/14/04 13:15 Received: 12/15/04
Notes: Hexavalent Chromium Collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.57 | mg/L | 1 | 0.0042 | 0.015 | 12/19/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0080] | mg/L | 1 | 0.0042 | 0.015 | 12/19/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 01/04/05 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 1.3 | 4.5 | 01/04/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [3.6] | ug/L | 1 | 2.6 | 9.0 | 01/07/05 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | 4.8 | ug/L | 1 | 0.73 | 2.6 | 01/07/05 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 120 | ug/L | 1 | 2.5* | 5.0 | 12/19/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 110 | ug/L | 1 | 2.5* | 5.0 | 12/19/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/19/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/19/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/19/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/19/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 22 | mg/L | 1 | 0.15* | 0.30 | 12/19/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 22 | mg/L | 1 | 0.15* | 0.30 | 12/19/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 12/15/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 12/21/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [1.0] | ug/L | 1 | 0.51 | 1.8 | 12/19/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.82] | ug/L | 1 | 0.51 | 1.8 | 12/19/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/19/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/19/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 12/23/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 0.39 | mg/L | 1 | 0.033 | 0.10 | 12/19/04 | SW846 6010 | 721026460 |
| | Batch 149 prep blank was contaminated for iron at 0.049 mg/L. | | | | | | | |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 12/19/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | [1.7] | ug/L | 1 | 0.87 | 3.0 | 12/19/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/19/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 8.7 | mg/L | 1 | 0.15* | 0.30 | 12/19/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 8.5 | mg/L | 1 | 0.15* | 0.30 | 12/19/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 39 | ug/L | 1 | 1.0* | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 31 | ug/L | 1 | 1.0* | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/16/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 12/16/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.6 | mg/L | 1 | 0.53 | 1.9 | 01/05/05 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 4.7 | mg/L | 1 | 0.39 | 1.4 | 01/05/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 01/04/05 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 2.1 | 7.6 | 01/04/05 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 16 | mg/L | 1 | 0.012 | 0.044 | 01/05/05 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 17 | mg/L | 1 | 0.013 | 0.047 | 01/05/05 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86407
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel R1/FS 25688375

**NS-GW-MW-23B -1204 NLS ID: 358583**
Ref. Line 6 COC 73756 NS-GW-MW-23B -1204 Matrix: GW
Collected: 12/14/04 13:15 Received: 12/15/04
Notes: Hexavalent Chromium Collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 01/06/05 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 1.4 | 4.8 | 01/06/05 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | [1.9] | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [0.70] | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | [6.6] | ug/L | 1 | 5.0* | 10 | 12/19/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/19/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/16/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/16/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/16/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/16/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/22/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/16/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 01/05/05 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86407
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel R1/FS 25688375

**NS-GW-TW12-1204 NLS ID: 358584**
Ref. Line 7 COC 73756 NS-GW-TW12-1204 Matrix: GW
Collected: 12/14/04 14:15 Received: 12/15/04
Notes: Hexavalent Chromium Collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.019 | mg/L | 1 | 0.0042 | 0.015 | 12/19/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | 0.016 | mg/L | 1 | 0.0042 | 0.015 | 12/19/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 01/04/05 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 1.3 | 4.5 | 01/04/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 01/07/05 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 0.73 | 2.6 | 01/07/05 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 200 | ug/L | 1 | 2.5* | 5.0 | 12/19/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 200 | ug/L | 1 | 2.5* | 5.0 | 12/19/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/19/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/19/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | [0.48] | ug/L | 1 | 0.17 | 0.50 | 12/19/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | [0.39] | ug/L | 1 | 0.17 | 0.50 | 12/19/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 78 | mg/L | 1 | 0.15* | 0.30 | 12/19/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 78 | mg/L | 1 | 0.15* | 0.30 | 12/19/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 11 | ug/L | 1 | 3.6* | | 12/15/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | ug/L | | 3.6* | | 12/21/04 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | |
| Chromium, tot. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 12/19/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 12/19/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/19/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/19/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 12/23/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 17 | mg/L | 1 | 0.033 | 0.10 | 12/19/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 17 | mg/L | 1 | 0.033 | 0.10 | 12/19/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/19/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/19/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 23 | mg/L | 1 | 0.15* | 0.30 | 12/19/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 23 | mg/L | 1 | 0.15* | 0.30 | 12/19/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 970 | ug/L | 1 | 1.0* | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 970 | ug/L | 1 | 1.0* | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/16/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 12/16/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.5 | mg/L | 1 | 0.53 | 1.9 | 01/05/05 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 4.3 | mg/L | 1 | 0.39 | 1.4 | 01/05/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 01/04/05 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 2.1 | 7.6 | 01/04/05 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 49 | mg/L | 1 | 0.012 | 0.044 | 01/05/05 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 52 | mg/L | 1 | 0.013 | 0.047 | 01/05/05 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86407
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel R1/FS 25688375

**NS-GW-TW12-1204 NLS ID: 358584**
Ref. Line 7 COC 73756 NS-GW-TW12-1204 Matrix: GW
Collected: 12/14/04 14:15 Received: 12/15/04
Notes: Hexavalent Chromium Collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 01/06/05 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 1.4 | 4.8 | 01/06/05 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | [1.4] | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [1.2] | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/19/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/19/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/16/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/16/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/16/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/16/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/22/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/16/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 01/05/05 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86407
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel R1/FS 25688375

**NS-WQ-Dup6-1204 NLS ID: 358585**
Ref. Line 8 COC 73756 NS-WQ-Dup6-1204 Matrix: GW
Collected: 12/14/04 00:00 Received: 12/15/04
Notes: Hexavalent Chromium Collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.12 | mg/L | 1 | 0.0042 | 0.015 | 12/19/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0050] | mg/L | 1 | 0.0042 | 0.015 | 12/19/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 01/04/05 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 1.3 | 4.5 | 01/04/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [2.7] | ug/L | 1 | 2.6 | 9.0 | 01/07/05 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 0.73 | 2.6 | 01/07/05 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 230 | ug/L | 1 | 2.5* | 5.0 | 12/19/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 230 | ug/L | 1 | 2.5* | 5.0 | 12/19/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/19/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/19/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/19/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/19/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 62 | mg/L | 1 | 0.15* | 0.30 | 12/19/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 60 | mg/L | 1 | 0.15* | 0.30 | 12/19/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 12/15/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 12/21/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [0.60] | ug/L | 1 | 0.51 | 1.8 | 12/19/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | 2.4 | ug/L | 1 | 0.51 | 1.8 | 12/19/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/19/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/19/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 12/23/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 0.41 | mg/L | 1 | 0.033 | 0.10 | 12/19/04 | SW846 6010 | 721026460 |
| | Batch 149 prep blank was contaminated for iron at 0.049 mg/L. | | | | | | | |
| Iron, dis. as Fe by ICP-Trace | 0.31 | mg/L | 1 | 0.033 | 0.10 | 12/19/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/19/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/19/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 34 | mg/L | 1 | 0.15* | 0.30 | 12/19/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 33 | mg/L | 1 | 0.15* | 0.30 | 12/19/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 120 | ug/L | 1 | 1.0* | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 120 | ug/L | 1 | 1.0* | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/16/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 12/16/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.1] | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 5.8 | mg/L | 1 | 0.53 | 1.9 | 01/05/05 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 6.1 | mg/L | 1 | 0.39 | 1.4 | 01/05/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 01/04/05 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 2.1 | 7.6 | 01/04/05 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 22 | mg/L | 1 | 0.012 | 0.044 | 01/05/05 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 23 | mg/L | 1 | 0.013 | 0.047 | 01/05/05 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86407
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-WQ-Dup6-1204 NLS ID: 358585**
Ref. Line 8 COC 73756 NS-WQ-Dup6-1204 Matrix: GW
Collected: 12/14/04 00:00 Received: 12/15/04
Notes: Hexavalent Chromium Collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 01/06/05 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 1.4 | 4.8 | 01/06/05 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/19/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/19/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/19/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/16/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/16/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/16/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/16/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/22/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/16/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 01/05/05 | SW846 8270C | 721026460 |

**NS-WQ-TripBlank6-1204 NLS ID: 358586**
Ref. Line 9 COC 73756 NS-WQ-TripBlank6-1204 Matrix: TB
Collected: 12/14/04 00:00 Received: 12/15/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 12/22/04 | SW846 8260 | 721026460 |

*Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.*

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86407**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: SAT2NSP** **Printed: 01/24/2005 15:38**

**Sample: 358578** **NS-GW-MW-01 (NET)-1204** **Collected: 12/14/04** **Analyzed: 12/22/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 1100 | ug/L | 100 | 12 | 38 |
| sec-Butylbenzene | ND | ug/L | 100 | 16 | 52 |
| Ethylbenzene | 110 | ug/L | 100 | 14 | 47 |
| ortho-Xylene | 55 | ug/L | 100 | 13 | 44 |
| Styrene | [29] | ug/L | 100 | 14 | 47 |
| Toluene | 500 | ug/L | 100 | 20 | 77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 100 | 14 | 48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 100 | 12 | 41 |
| meta,para-Xylene | 91 | ug/L | 100 | 26 | 88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 100 | 21 | 68 |
| Dibromofluoromethane (SURR**) | 101% | | | | |
| Toluene-d8 (SURR**) | 106% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

**Sample: 358579** **NS-GW-MW-02A (NET)-1204** **Collected: 12/14/04** **Analyzed: 12/22/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 110 | ug/L | 50 | 5.8 | 19 |
| sec-Butylbenzene | ND | ug/L | 50 | 7.9 | 26 |
| Ethylbenzene | 39 | ug/L | 50 | 7.1 | 23 |
| ortho-Xylene | 100 | ug/L | 50 | 6.7 | 22 |
| Styrene | 230 | ug/L | 50 | 7.0 | 23 |
| Toluene | 500 | ug/L | 50 | 10 | 39 |
| 1,2,4-Trimethylbenzene | 46 | ug/L | 50 | 7.2 | 24 |
| 1,3,5-Trimethylbenzene | [11] | ug/L | 50 | 6.1 | 20 |
| meta,para-Xylene | 210 | ug/L | 50 | 13 | 44 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 50 | 10 | 34 |
| Dibromofluoromethane (SURR**) | 102% | | | | |
| Toluene-d8 (SURR**) | 102% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

**Sample: 358580** **NS-GW-MW-03 (NET)-1204** **Collected: 12/14/04** **Analyzed: 12/22/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 19000 | ug/L | 2000 | 230 | 770 |
| sec-Butylbenzene | ND | ug/L | 2000 | 310 | 1000 |
| Ethylbenzene | 3100 | ug/L | 2000 | 280 | 940 |
| ortho-Xylene | 1500 | ug/L | 2000 | 270 | 890 |
| Styrene | 1500 | ug/L | 2000 | 280 | 940 |
| Toluene | 14000 | ug/L | 2000 | 410 | 1500 |
| 1,2,4-Trimethylbenzene | [440] | ug/L | 2000 | 290 | 960 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 2000 | 240 | 810 |
| meta,para-Xylene | 3000 | ug/L | 2000 | 520 | 1800 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 2000 | 410 | 1400 |
| Dibromofluoromethane (SURR**) | 101% | | | | |
| Toluene-d8 (SURR**) | 109% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 97% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86407**

**Project Description: Xcel R1/FS 25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 01/24/2005 15:38**

**Sample: 358581** **NS-GW-MW-01 (NET)-1204** **Collected: 12/14/04** **Analyzed: 12/22/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 2000 | ug/L | 200 | 23 | 77 |
| sec-Butylbenzene | ND | ug/L | 200 | 31 | 100 |
| Ethylbenzene | 410 | ug/L | 200 | 28 | 94 |
| ortho-Xylene | 170 | ug/L | 200 | 27 | 89 |
| Styrene | ND | ug/L | 200 | 28 | 94 |
| Toluene | ND | ug/L | 200 | 41 | 150 |
| 1,2,4-Trimethylbenzene | 110 | ug/L | 200 | 29 | 96 |
| 1,3,5-Trimethylbenzene | [32] | ug/L | 200 | 24 | 81 |
| meta,para-Xylene | [160] | ug/L | 200 | 52 | 180 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 200 | 41 | 140 |
| Dibromofluoromethane (SURR**) | 105% | | | | |
| Toluene-d8 (SURR**) | 108% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

**Sample: 358582** **NS-GW-MW-23A-1204** **Collected: 12/14/04** **Analyzed: 12/22/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 4400 | ug/L | 500 | 58 | 190 |
| sec-Butylbenzene | ND | ug/L | 500 | 79 | 260 |
| Ethylbenzene | 1400 | ug/L | 500 | 71 | 230 |
| ortho-Xylene | 1200 | ug/L | 500 | 67 | 220 |
| Styrene | 2200 | ug/L | 500 | 70 | 230 |
| Toluene | 6700 | ug/L | 500 | 100 | 390 |
| 1,2,4-Trimethylbenzene | 440 | ug/L | 500 | 72 | 240 |
| 1,3,5-Trimethylbenzene | [110] | ug/L | 500 | 61 | 200 |
| meta,para-Xylene | 2400 | ug/L | 500 | 130 | 440 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 500 | 100 | 340 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 107% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

**Sample: 358583** **NS-GW-MW-23B -1204** **Collected: 12/14/04** **Analyzed: 12/22/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 3100 | ug/L | 500 | 58 | 190 |
| sec-Butylbenzene | ND | ug/L | 500 | 79 | 260 |
| Ethylbenzene | 360 | ug/L | 500 | 71 | 230 |
| ortho-Xylene | 930 | ug/L | 500 | 67 | 220 |
| Styrene | 2200 | ug/L | 500 | 70 | 230 |
| Toluene | 4500 | ug/L | 500 | 100 | 390 |
| 1,2,4-Trimethylbenzene | 440 | ug/L | 500 | 72 | 240 |
| 1,3,5-Trimethylbenzene | [110] | ug/L | 500 | 61 | 200 |
| meta,para-Xylene | 1900 | ug/L | 500 | 130 | 440 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 500 | 100 | 340 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 104% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 97% | | | | |

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86407**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: SAT2NSP** **Printed: 01/24/2005 15:38**

**Sample: 358584 NS-GW-TW12-1204** **Collected: 12/14/04** **Analyzed: 12/22/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 110 | ug/L | 10 | 1.2 | 3.8 |
| sec-Butylbenzene | ND | ug/L | 10 | 1.6 | 5.2 |
| Ethylbenzene | 15 | ug/L | 10 | 1.4 | 4.7 |
| ortho-Xylene | 6.8 | ug/L | 10 | 1.3 | 4.4 |
| Styrene | ND | ug/L | 10 | 1.4 | 4.7 |
| Toluene | ND | ug/L | 10 | 2.0 | 7.7 |
| 1,2,4-Trimethylbenzene | 21 | ug/L | 10 | 1.4 | 4.8 |
| 1,3,5-Trimethylbenzene | [3.0] | ug/L | 10 | 1.2 | 4.1 |
| meta,para-Xylene | [5.1] | ug/L | 10 | 2.6 | 8.8 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 10 | 2.1 | 6.8 |
| Dibromofluoromethane (SURR**) | 102% | | | | |
| Toluene-d8 (SURR**) | 107% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

**Sample: 358585 NS-WQ-Dup6-1204** **Collected: 12/14/04** **Analyzed: 12/22/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 4300 | ug/L | 500 | 58 | 190 |
| sec-Butylbenzene | ND | ug/L | 500 | 79 | 260 |
| Ethylbenzene | 1400 | ug/L | 500 | 71 | 230 |
| ortho-Xylene | 1200 | ug/L | 500 | 67 | 220 |
| Styrene | 2000 | ug/L | 500 | 70 | 230 |
| Toluene | 6400 | ug/L | 500 | 100 | 390 |
| 1,2,4-Trimethylbenzene | 420 | ug/L | 500 | 72 | 240 |
| 1,3,5-Trimethylbenzene | [110] | ug/L | 500 | 61 | 200 |
| meta,para-Xylene | 2300 | ug/L | 500 | 130 | 440 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 500 | 100 | 340 |
| Dibromofluoromethane (SURR**) | 99% | | | | |
| Toluene-d8 (SURR**) | 101% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 97% | | | | |

**Sample: 358586 NS-WQ-TripBlank6-1204** **Collected: 12/14/04** **Analyzed: 12/22/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | [0.38] | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 104% | | | | |
| Toluene-d8 (SURR**) | 106% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86407**
**Project Description: Xcel R1/F 3 25688375**
**Project Title:** **Template: 8270WNSP Printed: 01/24/2005 15:38**

**Sample: 358578 NS-GW-MW-0[illegible] (NET)-1204** **Collected: 12/14/04** **Analyzed: 01/05/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [8.1] | ug/L | 5 | 7.5 | 25 |
| Acenaphthylene | ND | ug/L | 5 | 8.4 | 28 |
| Anthracene | ND | ug/L | 5 | 6.8 | 23 |
| Benzo[a]anthracene | ND | ug/L | 5 | 6.9 | 23 |
| Benzo[a]pyrene | [10] | ug/L | 5 | 6.9 | 23 |
| Benzo[b]fluoranthene | [7.1] | ug/L | 5 | 6.3 | 21 |
| Benzo[g,h,i]perylene | [7.9] | ug/L | 5 | 6.7 | 22 |
| Benzo[k]fluoranthene | ND | ug/L | 5 | 8.4 | 28 |
| Chrysene | ND | ug/L | 5 | 7.0 | 23 |
| Dibenzo[a,h]anthracene | ND | ug/L | 5 | 6.6 | 22 |
| Dibenzofuran | ND | ug/L | 5 | 7.9 | 26 |
| Fluoranthene | ND | ug/L | 5 | 7.2 | 24 |
| Fluorene | ND | ug/L | 5 | 8.5 | 28 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 5 | 7.7 | 26 |
| 1-Methylnaphthalene | [21] | ug/L | 5 | 8.0 | 27 |
| 2-Methylnaphthalene | [15] | ug/L | 5 | 7.7 | 26 |
| 2-Methylphenol | [13] | ug/L | 5 | 5.6 | 21 |
| 3 & 4-Methylphenol | [16] | ug/L | 5 | 6.3 | 21 |
| Naphthalene | 120 | ug/L | 5 | 8.3 | 28 |
| Phenanthrene | ND | ug/L | 5 | 7.1 | 24 |
| Phenol | [3.6] | ug/L | 5 | 2.5 | 8.5 |
| Pyrene | ND | ug/L | 5 | 7.2 | 24 |
| Benzo[e]pyrene | [6.9] | ug/L | 5 | 5.5 | 18 |
| 2-Fluorophenol (SURR**) | 35% | | | | |
| Phenol-d5 (SURR**) | 22% | | | | |
| Nitrobenzene-d5 (SURR**) | 71% | | | | |
| 2-Fluorobiphenyl (SURR**) | 88% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 87% | | | | |
| Terphenyl-d14 (SURR**) | 53% | | | | |

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86407**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:38**

**Sample: 358579** **NS-GW-MW-02A (NET)-1204** **Collected: 12/14/04** **Analyzed: 01/05/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 20 | 30 | 100 |
| Acenaphthylene | ND | ug/L | 20 | 34 | 110 |
| Anthracene | ND | ug/L | 20 | 27 | 90 |
| Benzo[a]anthracene | ND | ug/L | 20 | 28 | 92 |
| Benzo[a]pyrene | ND | ug/L | 20 | 28 | 92 |
| Benzo[b]fluoranthene | ND | ug/L | 20 | 25 | 84 |
| Benzo[g,h,i]perylene | ND | ug/L | 20 | 27 | 90 |
| Benzo[k]fluoranthene | ND | ug/L | 20 | 34 | 110 |
| Chrysene | ND | ug/L | 20 | 28 | 93 |
| Dibenzo[a,h]anthracene | ND | ug/L | 20 | 26 | 88 |
| Dibenzofuran | ND | ug/L | 20 | 31 | 100 |
| Fluoranthene | ND | ug/L | 20 | 29 | 95 |
| Fluorene | ND | ug/L | 20 | 34 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 20 | 31 | 100 |
| 1-Methylnaphthalene | [45] | ug/L | 20 | 32 | 110 |
| 2-Methylnaphthalene | [62] | ug/L | 20 | 31 | 100 |
| 2-Methylphenol | ND | ug/L | 20 | 22 | 82 |
| 3 & 4-Methylphenol | ND | ug/L | 20 | 25 | 84 |
| Naphthalene | 440 | ug/L | 20 | 33 | 110 |
| Phenanthrene | ND | ug/L | 20 | 29 | 95 |
| Phenol | ND | ug/L | 20 | 10 | 34 |
| Pyrene | ND | ug/L | 20 | 29 | 96 |
| Benzo[e]pyrene | ND | ug/L | 20 | 22 | 74 |
| 2-Fluorophenol (SURR**) | 39% | | | | |
| Phenol-d5 (SURR**) | 22% | | | | |
| Nitrobenzene-d5 (SURR**) | 66% | | | | |
| 2-Fluorobiphenyl (SURR**) | 87% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 74% | | | | |
| Terphenyl-d14 (SURR**) | 58% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86407**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:38**

**Sample: 358580** **NS-GW-MW-02B (NET)-1204** **Collected: 12/14/04** **Analyzed: 01/05/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 300 | 1000 |
| Acenaphthylene | ND | ug/L | 200 | 340 | 1100 |
| Anthracene | ND | ug/L | 200 | 270 | 900 |
| Benzo[a]anthracene | ND | ug/L | 200 | 280 | 920 |
| Benzo[a]pyrene | ND | ug/L | 200 | 280 | 920 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 250 | 840 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 270 | 900 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 340 | 1100 |
| Chrysene | ND | ug/L | 200 | 280 | 930 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 260 | 880 |
| Dibenzofuran | ND | ug/L | 200 | 310 | 1000 |
| Fluoranthene | ND | ug/L | 200 | 290 | 950 |
| Fluorene | ND | ug/L | 200 | 340 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 310 | 1000 |
| 1-Methylnaphthalene | [390] | ug/L | 200 | 320 | 1100 |
| 2-Methylnaphthalene | [540] | ug/L | 200 | 310 | 1000 |
| 2-Methylphenol | [240] | ug/L | 200 | 220 | 820 |
| 3 & 4-Methylphenol | [280] | ug/L | 200 | 250 | 840 |
| Naphthalene | 4100 | ug/L | 200 | 330 | 1100 |
| Phenanthrene | ND | ug/L | 200 | 290 | 950 |
| Phenol | ND | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 290 | 960 |
| Benzo[e]pyrene | ND | ug/L | 200 | 220 | 740 |
| 2-Fluorophenol (SURR**) | 32% | | | | |
| Phenol-d5 (SURR**) | 18% | | | | |
| Nitrobenzene-d5 (SURR**) | 57% | | | | |
| 2-Fluorobiphenyl (SURR**) | 79% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 65% | | | | |
| Terphenyl-d14 (SURR**) | 49% | | | | |

A 10 fold dilution was performed during extraction.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86407**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:38**

**Sample: 358581** **NS-GW-MW-01 (NET)-1204** **Collected: 12/14/04** **Analyzed: 01/05/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [170] | ug/L | 50 | 75 | 250 |
| Acenaphthylene | ND | ug/L | 50 | 84 | 280 |
| Anthracene | ND | ug/L | 50 | 68 | 230 |
| Benzo[a]anthracene | ND | ug/L | 50 | 69 | 230 |
| Benzo[a]pyrene | ND | ug/L | 50 | 69 | 230 |
| Benzo[b]fluoranthene | ND | ug/L | 50 | 63 | 210 |
| Benzo[g,h,i]perylene | ND | ug/L | 50 | 67 | 220 |
| Benzo[k]fluoranthene | ND | ug/L | 50 | 84 | 280 |
| Chrysene | ND | ug/L | 50 | 70 | 230 |
| Dibenzo[a,h]anthracene | ND | ug/L | 50 | 66 | 220 |
| Dibenzofuran | ND | ug/L | 50 | 79 | 260 |
| Fluoranthene | ND | ug/L | 50 | 72 | 240 |
| Fluorene | ND | ug/L | 50 | 85 | 280 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 50 | 77 | 260 |
| 1-Methylnaphthalene | 510 | ug/L | 50 | 80 | 270 |
| 2-Methylnaphthalene | [180] | ug/L | 50 | 77 | 260 |
| 2-Methylphenol | ND | ug/L | 50 | 56 | 210 |
| 3 & 4-Methylphenol | ND | ug/L | 50 | 63 | 210 |
| Naphthalene | 1200 | ug/L | 50 | 83 | 280 |
| Phenanthrene | ND | ug/L | 50 | 71 | 240 |
| Phenol | ND | ug/L | 50 | 25 | 85 |
| Pyrene | ND | ug/L | 50 | 72 | 240 |
| Benzo[e]pyrene | ND | ug/L | 50 | 55 | 180 |
| 2-Fluorophenol (SURR**) | 35% | | | | |
| Phenol-d5 (SURR**) | 22% | | | | |
| Nitrobenzene-d5 (SURR**) | 62% | | | | |
| 2-Fluorobiphenyl (SURR**) | 85% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 65% | | | | |
| Terphenyl-d14 (SURR**) | 52% | | | | |

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86407**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:38**

**Sample: 358582** **NS-GW-MW-2[illegible]A-1204** **Collected: 12/14/04** **Analyzed: 01/05/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 300 | 1000 |
| Acenaphthylene | ND | ug/L | 200 | 340 | 1100 |
| Anthracene | ND | ug/L | 200 | 270 | 900 |
| Benzo[a]anthracene | ND | ug/L | 200 | 280 | 920 |
| Benzo[a]pyrene | ND | ug/L | 200 | 280 | 920 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 250 | 840 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 270 | 900 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 340 | 1100 |
| Chrysene | ND | ug/L | 200 | 280 | 930 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 260 | 880 |
| Dibenzofuran | ND | ug/L | 200 | 310 | 1000 |
| Fluoranthene | ND | ug/L | 200 | 290 | 950 |
| Fluorene | ND | ug/L | 200 | 340 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 310 | 1000 |
| 1-Methylnaphthalene | [370] | ug/L | 200 | 320 | 1100 |
| 2-Methylnaphthalene | [540] | ug/L | 200 | 310 | 1000 |
| 2-Methylphenol | ND | ug/L | 200 | 220 | 820 |
| 3 & 4-Methylphenol | ND | ug/L | 200 | 250 | 840 |
| Naphthalene | 4000 | ug/L | 200 | 330 | 1100 |
| Phenanthrene | ND | ug/L | 200 | 290 | 950 |
| Phenol | ND | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 290 | 960 |
| Benzo[e]pyrene | ND | ug/L | 200 | 220 | 740 |
| 2-Fluorophenol (SURR**) | 34% | | | | |
| Phenol-d5 (SURR**) | 19% | | | | |
| Nitrobenzene-d5 (SURR**) | 58% | | | | |
| 2-Fluorobiphenyl (SURR**) | 80% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 53% | | | | |
| Terphenyl-d14 (SURR**) | 50% | | | | |

A 10 fold dilution was performed during extraction.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86407**

**Project Description: Xcel R1/FS 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:38**

**Sample: 358583** **NS-GW-MW-23B -1204** **Collected: 12/14/04** **Analyzed: 01/05/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 300 | 1000 |
| Acenaphthylene | ND | ug/L | 200 | 340 | 1100 |
| Anthracene | ND | ug/L | 200 | 270 | 900 |
| Benzo[a]anthracene | ND | ug/L | 200 | 280 | 920 |
| Benzo[a]pyrene | ND | ug/L | 200 | 280 | 920 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 250 | 840 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 270 | 900 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 340 | 1100 |
| Chrysene | ND | ug/L | 200 | 280 | 930 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 260 | 880 |
| Dibenzofuran | ND | ug/L | 200 | 310 | 1000 |
| Fluoranthene | ND | ug/L | 200 | 290 | 950 |
| Fluorene | ND | ug/L | 200 | 340 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 310 | 1000 |
| 1-Methylnaphthalene | [500] | ug/L | 200 | 320 | 1100 |
| 2-Methylnaphthalene | [730] | ug/L | 200 | 310 | 1000 |
| 2-Methylphenol | ND | ug/L | 200 | 220 | 820 |
| 3 & 4-Methylphenol | ND | ug/L | 200 | 250 | 840 |
| Naphthalene | 4600 | ug/L | 200 | 330 | 1100 |
| Phenanthrene | ND | ug/L | 200 | 290 | 950 |
| Phenol | ND | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 290 | 960 |
| Benzo[e]pyrene | ND | ug/L | 200 | 220 | 740 |
| 2-Fluorophenol (SURR**) | 33% | | | | |
| Phenol-d5 (SURR**) | 19% | | | | |
| Nitrobenzene-d5 (SURR**) | 60% | | | | |
| 2-Fluorobiphenyl (SURR**) | 83% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 51% | | | | |
| Terphenyl-d14 (SURR**) | 52% | | | | |

A 10 fold dilution was performed during extraction.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86407**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:38**

**Sample: 358584** **NS-GW-TW12-1204** **Collected: 12/14/04** **Analyzed: 01/05/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 24 | ug/L | 2.5 | 3.7 | 12 |
| Acenaphthylene | ND | ug/L | 2.5 | 4.2 | 14 |
| Anthracene | ND | ug/L | 2.5 | 3.4 | 11 |
| Benzo[a]anthracene | ND | ug/L | 2.5 | 3.4 | 11 |
| Benzo[a]pyrene | ND | ug/L | 2.5 | 3.4 | 11 |
| Benzo[b]fluoranthene | ND | ug/L | 2.5 | 3.2 | 11 |
| Benzo[g,h,i]perylene | ND | ug/L | 2.5 | 3.4 | 11 |
| Benzo[k]fluoranthene | ND | ug/L | 2.5 | 4.2 | 14 |
| Chrysene | ND | ug/L | 2.5 | 3.5 | 12 |
| Dibenzo[a,h]anthracene | ND | ug/L | 2.5 | 3.3 | 11 |
| Dibenzofuran | ND | ug/L | 2.5 | 3.9 | 13 |
| Fluoranthene | ND | ug/L | 2.5 | 3.6 | 12 |
| Fluorene | ND | ug/L | 2.5 | 4.3 | 14 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 2.5 | 3.9 | 13 |
| 1-Methylnaphthalene | 56 | ug/L | 2.5 | 4.0 | 13 |
| 2-Methylnaphthalene | ND | ug/L | 2.5 | 3.8 | 13 |
| 2-Methylphenol | ND | ug/L | 2.5 | 2.8 | 10 |
| 3 & 4-Methylphenol | ND | ug/L | 2.5 | 3.2 | 11 |
| Naphthalene | 59 | ug/L | 2.5 | 4.1 | 14 |
| Phenanthrene | ND | ug/L | 2.5 | 3.6 | 12 |
| Phenol | ND | ug/L | 2.5 | 1.3 | 4.2 |
| Pyrene | ND | ug/L | 2.5 | 3.6 | 12 |
| Benzo[e]pyrene | ND | ug/L | 2.5 | 2.8 | 9.2 |
| 2-Fluorophenol (SURR**) | 37% | | | | |
| Phenol-d5 (SURR**) | 23% | | | | |
| Nitrobenzene-d5 (SURR**) | 69% | | | | |
| 2-Fluorobiphenyl (SURR**) | 84% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 95% | | | | |
| Terphenyl-d14 (SURR**) | 53% | | | | |

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86407**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:38**

**Sample: 358585** **NS-WQ-Dup6-1204** **Collected: 12/14/04** **Analyzed: 01/05/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 50 | 75 | 250 |
| Acenaphthylene | [150] | ug/L | 50 | 84 | 280 |
| Anthracene | ND | ug/L | 50 | 68 | 230 |
| Benzo[a]anthracene | ND | ug/L | 50 | 69 | 230 |
| Benzo[a]pyrene | ND | ug/L | 50 | 69 | 230 |
| Benzo[b]fluoranthene | ND | ug/L | 50 | 63 | 210 |
| Benzo[g,h,i]perylene | ND | ug/L | 50 | 67 | 220 |
| Benzo[k]fluoranthene | ND | ug/L | 50 | 84 | 280 |
| Chrysene | ND | ug/L | 50 | 70 | 230 |
| Dibenzo[a,h]anthracene | ND | ug/L | 50 | 66 | 220 |
| Dibenzofuran | ND | ug/L | 50 | 79 | 260 |
| Fluoranthene | ND | ug/L | 50 | 72 | 240 |
| Fluorene | ND | ug/L | 50 | 85 | 280 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 50 | 77 | 260 |
| 1-Methylnaphthalene | 420 | ug/L | 50 | 80 | 270 |
| 2-Methylnaphthalene | 600 | ug/L | 50 | 77 | 260 |
| 2-Methylphenol | ND | ug/L | 50 | 56 | 210 |
| 3 & 4-Methylphenol | ND | ug/L | 50 | 63 | 210 |
| Naphthalene | 3300 | ug/L | 50 | 83 | 280 |
| Phenanthrene | ND | ug/L | 50 | 71 | 240 |
| Phenol | ND | ug/L | 50 | 25 | 85 |
| Pyrene | ND | ug/L | 50 | 72 | 240 |
| Benzo[e]pyrene | ND | ug/L | 50 | 55 | 180 |
| 2-Fluorophenol (SURR**) | 43% | | | | |
| Phenol-d5 (SURR**) | 22% | | | | |
| Nitrobenzene-d5 (SURR**) | 63% | | | | |
| 2-Fluorobiphenyl (SURR**) | 90% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 50% | | | | |
| Terphenyl-d14 (SURR**) | 53% | | | | |

*Naphthalene result reported beyond calibration range.*

** Surrogates are used to evaluate a method's Quality Control.

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86432
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW7R-1204 NLS ID: 358642**
Ref. Line 1 COC 73745 NS-GW-MW7R-1204 Matrix: GW
Collected: 12/15/04 09:00 Received: 12/16/04
Notes: Hexavalent Chromium Collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 17 | mg/L | 1 | 0.0042 | 0.015 | 12/20/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0090] | mg/L | 1 | 0.0042 | 0.015 | 12/20/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 01/04/05 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 1.3 | 4.5 | 01/04/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [3.3] | ug/L | 1 | 2.6 | 9.0 | 01/09/05 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | 8.4 | ug/L | 1 | 0.73 | 2.6 | 01/09/05 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 990 | ug/L | 1 | 2.5* | 5.0 | 12/20/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 630 | ug/L | 1 | 2.5* | 5.0 | 12/20/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/20/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/21/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | [0.49] | ug/L | 1 | 0.17 | 0.50 | 12/20/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/20/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 79 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 66 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 12/16/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 19 | ug/L | 1 | 3.6* | | 12/21/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 19 | ug/L | 1 | 0.51 | 1.8 | 12/20/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 12/20/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 8.3 | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 24 | ug/L | 1 | 1.3 | 4.0 | 12/20/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/20/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | 0.038 | mg/L | 1 | 0.0050 | 0.015 | 12/23/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 15 | mg/L | 1 | 0.033 | 0.10 | 12/20/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 0.54 | mg/L | 1 | 0.033 | 0.10 | 12/20/04 | SW846 6010 | 721026460 |
| Lead tot. as Pb by ICP-Trace | 18 | ug/L | 1 | 0.87 | 3.0 | 12/20/04 | SW846 6010 | 721026460 |
| Lead dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/20/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 45 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 36 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 380 | ug/L | 1 | 1.0* | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 150 | ug/L | 1 | 1.0* | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/21/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | 0.084 | ug/L | 1 | 0.025 | 0.050 | 12/21/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 19 | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [0.71] | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 6.1 | mg/L | 1 | 0.53 | 1.9 | 01/04/05 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 9.8 | mg/L | 1 | 0.39 | 1.4 | 01/04/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | [1.9] | ug/L | 1 | 1.6 | 5.5 | 01/04/05 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 2.1 | 7.6 | 01/04/05 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 29 | mg/L | 1 | 0.012 | 0.044 | 01/04/05 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 29 | mg/L | 1 | 0.013 | 0.047 | 01/04/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 01/07/05 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86432
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel R1/FS 25688375

**NS-GW-MW7R-1204 NLS ID: 358642**
Ref. Line 1 COC 73745 NS-GW-MW7R-1204 Matrix: GW
Collected: 12/15/04 09:00 Received: 12/16/04
Notes: Hexavalent Chromium Collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 1.4 | 4.8 | 01/07/05 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 34 | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 78 | ug/L | 1 | 5.0* | 10 | 12/20/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/20/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/17/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/17/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/18/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/18/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/23/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/17/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 01/06/05 | SW846 8270C | 721026460 |

NORTHERN [illegible]E SERVICE, INC.
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 86432
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW03(NET)-1204 NLS ID: 358643**
Ref. Line 2 COC 73745 NS-GW-MW03(NET)-1204 Matrix: GW
Collected: 12/15/04 10:00 Received: 12/16/04
Notes: Hexavalent Chromium Collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 8.2 | mg/L | 2 | 0.0084 | 0.030 | 12/20/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0080] | mg/L | 1 | 0.0042 | 0.015 | 12/20/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 01/04/05 | SW846 7041 | 721026460 |
| Antimony, tot as Sb by furnace AAS | ND | ug/L | 1 | 1.3 | 4.5 | 01/04/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 01/09/05 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | 3.3 | ug/L | 1 | 0.73 | 2.6 | 01/09/05 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 180 | ug/L | 2 | 5.0* | 10 | 12/20/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 130 | ug/L | 1 | 2.5* | 5.0 | 12/20/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 2 | 0.34 | 1.0 | 12/20/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/21/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 2 | 0.34 | 1.0 | 12/20/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/20/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 93 | mg/L | 2 | 0.30* | 0.60 | 12/20/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 96 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 23 | ug/L | 1 | 3.6* | | 12/16/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 12/21/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 24 | ug/L | 2 | 1.0 | 3.6 | 12/20/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 12/20/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 6.7 | ug/L | 2 | 1.3 | 4.0 | 12/20/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | 7.2 | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 26 | ug/L | 2 | 2.7 | 8.0 | 12/20/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/20/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 12/23/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 8.5 | mg/L | 2 | 0.066 | 0.20 | 12/20/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 1.2 | mg/L | 1 | 0.033 | 0.10 | 12/20/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 11 | ug/L | 2 | 1.7 | 6.0 | 12/20/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/20/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 21 | mg/L | 2 | 0.30* | 0.60 | 12/20/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 21 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 780 | ug/L | 2 | 2.0* | 4.0 | 12/20/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 760 | ug/L | 1 | 1.0* | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/21/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 12/21/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 20 | ug/L | 2 | 1.3 | 4.0 | 12/20/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.2] | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 8.9 | mg/L | 1 | 0.53 | 1.9 | 01/04/05 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 10 | mg/L | 2 | 0.78 | 2.9 | 01/04/05 | SW846 6010 | 721026460 |
| Selenium, dis as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 01/04/05 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 2.1 | 7.6 | 01/04/05 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 2 | 1.3 | 4.0 | 12/20/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 180 | mg/L | 1 | 0.012 | 0.044 | 01/04/05 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 160 | mg/L | 2 | 0.025 | 0.093 | 01/04/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 01/07/05 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86432
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW03(NET)-1204 NLS ID: 358643**
Ref. Line 2 COC 73745 NS-GW-MW03(NET)-1204 Matrix: GW
Collected: 12/15/04 10:00 Received: 12/16/04
Notes: Hexavalent Chromium Collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | [2.6] | ug/L | 1 | 1.4 | 4.8 | 01/07/05 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 18 | ug/L | 2 | 1.3 | 4.0 | 12/20/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [1.7] | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 530 | ug/L | 2 | 10* | 20 | 12/20/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/20/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/17/04 | SW846 3010 | 721026460 |
| | Dilution required to overcome matrix during digestion. | | | | | | | |
| Metals digestion - total, water GF | yes | | | | | 12/17/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/18/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/18/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/23/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/17/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 01/06/05 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel R1/FS 25688375

NLS Project: 86432
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

**NS-GW-MW7A-1204 NLS ID: 358644**
Ref. Line 3 COC 73745 NS-GW-MW7A-1204 Matrix: GW
Collected: 12/15/04 10:30 Received: 12/16/04
Notes: Hexavalent Chromium Collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.82 | mg/L | 1 | 0.0042 | 0.015 | 12/20/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 12/20/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 01/04/05 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 1.3 | 4.5 | 01/04/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [2.7] | ug/L | 1 | 2.6 | 9.0 | 01/09/05 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | 3.9 | ug/L | 1 | 0.73 | 2.6 | 01/09/05 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 300 | ug/L | 1 | 2.5* | 5.0 | 12/20/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 300 | ug/L | 1 | 2.5* | 5.0 | 12/20/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/20/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/21/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/20/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/20/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 43 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 42 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 12/16/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 12/21/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [0.68] | ug/L | 1 | 0.51 | 1.8 | 12/20/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 12/20/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 4.2 | ug/L | 1 | 1.3 | 4.0 | 12/20/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/20/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.011] | mg/L | 1 | 0.0050 | 0.015 | 12/23/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 0.72 | mg/L | 1 | 0.033 | 0.10 | 12/20/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | [0.081] | mg/L | 1 | 0.033 | 0.10 | 12/20/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/20/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/20/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 18 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 17 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 73 | ug/L | 1 | 1.0* | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 59 | ug/L | 1 | 1.0* | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/21/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 12/21/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | [0.97] | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.8 | mg/L | 1 | 0.53 | 1.9 | 01/04/05 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 4.8 | mg/L | 1 | 0.39 | 1.4 | 01/04/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 01/04/05 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 2.1 | 7.6 | 01/04/05 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 21 | mg/L | 1 | 0.012 | 0.044 | 01/04/05 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 20 | mg/L | 1 | 0.013 | 0.047 | 01/04/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 01/07/05 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86432
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel R1/FS 25688375

**NS-GW-MW7A-1204 NLS ID: 358644**
Ref. Line 3 COC 73745 NS-GW-MW7A-1204 Matrix: GW
Collected: 12/15/04 10:30 Received: 12/16/04
Notes: Hexavalent Chromium Collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 1.4 | 4.8 | 01/07/05 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | [1.4] | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | [8.2] | ug/L | 1 | 5.0* | 10 | 12/20/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/20/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/17/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/17/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/18/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/18/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/23/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/17/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 01/06/05 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86432
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW7B-1204 NLS ID: 358645**
Ref. Line 4 COC 73745 NS-GW-MW7B-1204 Matrix: GW
Collected: 12/15/04 11:00 Received: 12/16/04
Notes: Hexavalent Chromium Collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 32 | mg/L | 1 | 0.0042 | 0.015 | 12/20/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0070] | mg/L | 1 | 0.0042 | 0.015 | 12/20/04 | SW846 6010 | 721026460 |
| Antimony, dis as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 01/04/05 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 1.3 | 4.5 | 01/04/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 01/09/05 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | 6.3 | ug/L | 1 | 0.73 | 2.6 | 01/09/05 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 280 | ug/L | 1 | 2.5* | 5.0 | 12/20/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 55 | ug/L | 1 | 2.5* | 5.0 | 12/20/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/20/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/21/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | 0.69 | ug/L | 1 | 0.17 | 0.50 | 12/20/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/20/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 34 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 18 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 12/16/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 39 | ug/L | 1 | 3.6* | | 12/21/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 39 | ug/L | 1 | 0.51 | 1.8 | 12/20/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 12/20/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 16 | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 70 | ug/L | 1 | 1.3 | 4.0 | 12/20/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/20/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 12/23/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 24 | mg/L | 1 | 0.033 | 0.10 | 12/20/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 12/20/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 5.0 | ug/L | 1 | 0.87 | 3.0 | 12/20/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/20/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 25 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 6.8 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 510 | ug/L | 1 | 1.0* | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 42 | ug/L | 1 | 1.0* | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/21/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 12/21/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 37 | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 3.7 | mg/L | 1 | 0.53 | 1.9 | 01/04/05 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 11 | mg/L | 1 | 0.39 | 1.4 | 01/04/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 01/04/05 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 2.1 | 7.6 | 01/04/05 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 15 | mg/L | 1 | 0.012 | 0.044 | 01/04/05 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 17 | mg/L | 1 | 0.013 | 0.047 | 01/04/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 01/07/05 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86432
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel R1/FS 25688375

**NS-GW-MW7B-1204 NLS ID: 358645**
Ref. Line 4 COC 73745 NS-GW-MW7B-1204 Matrix: GW
Collected: 12/15/04 11:00 Received: 12/16/04
Notes: Hexavalent Chromium Collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 1.4 | 4.8 | 01/07/05 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 63 | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [1.3] | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 130 | ug/L | 1 | 5.0* | 10 | 12/20/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/20/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/17/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/17/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/18/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/18/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/23/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/17/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 01/06/05 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 86432
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW26-1204 NLS ID: 358646**
Ref. Line 5 COC 73745 NS-GW-MW26-1204 Matrix: GW
Collected: 12/15/04 11:15 Received: 12/16/04
Notes: Hexavalent Chromium Collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 12 | mg/L | 1 | 0.0042 | 0.015 | 12/20/04 | SW846 6010 | 721026460 |
| *Aluminum, dis. as Al by ICP-Trace* | *[0.015]* | *mg/L* | 1 | *0.0042* | *0.015* | 12/20/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 01/04/05 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 1.3 | 4.5 | 01/04/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [3.5] | ug/L | 1 | 2.6 | 9.0 | 01/09/05 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | 7.0 | ug/L | 1 | 0.73 | 2.6 | 01/09/05 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 330 | ug/L | 1 | 2.5* | 5.0 | 12/20/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 220 | ug/L | 1 | 2.5* | 5.0 | 12/20/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 2 | 0.34 | 1.0 | 12/22/04 | SW846 6010 | 721026460 |
| | Dilution required to reduce matrix interferences. | | | | | | | |
| Beryllium, dis as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/21/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | 1.3 | ug/L | 1 | 0.17 | 0.50 | 12/20/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | 0.95 | ug/L | 1 | 0.17 | 0.50 | 12/20/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 190 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 170 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 18 | ug/L | 1 | 3.6* | | 12/16/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 12/21/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 16 | ug/L | 1 | 0.51 | 1.8 | 12/20/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 12/20/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 7.6 | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | [0.86] | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 25 | ug/L | 1 | 1.3 | 4.0 | 12/20/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/20/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.011] | mg/L | 1 | 0.0050 | 0.015 | 12/23/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 37 | mg/L | 1 | 0.033 | 0.10 | 12/20/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 24 | mg/L | 1 | 0.033 | 0.10 | 12/20/04 | SW846 6010 | 721026460 |
| Lead tot. as Pb by ICP-Trace | 14 | ug/L | 1 | 0.87 | 3.0 | 12/20/04 | SW846 6010 | 721026460 |
| Lead dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/20/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 30 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 23 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 2400 | ug/L | 1 | 1.0* | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 2100 | ug/L | 1 | 1.0* | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/21/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 12/21/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 15 | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 8.7 | mg/L | 1 | 0.53 | 1.9 | 01/04/05 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 11 | mg/L | 1 | 0.39 | 1.4 | 01/04/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 01/04/05 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 2.1 | 7.6 | 01/04/05 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 20 | mg/L | 1 | 0.012 | 0.044 | 01/04/05 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 21 | mg/L | 1 | 0.013 | 0.047 | 01/04/05 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86432
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW26-1204 NLS ID: 358646**
Ref. Line 5 COC 73745 NS-GW-MW26-1204 Matrix: GW
Collected: 12/15/04 11:15 Received: 12/16/04
Notes: Hexavalent Chromium Collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 01/07/05 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 1.4 | 4.8 | 01/07/05 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 37 | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [1.5] | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 55 | ug/L | 1 | 5.0* | 10 | 12/20/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [5.5] | ug/L | 1 | 5.0* | 10 | 12/20/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/17/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/17/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/18/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/18/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/23/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/17/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 01/06/05 | SW846 8270C | 721026460 |

NORTHERN [illegible]E SERVICE, INC.
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400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86432
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel R1/FS 25688375

**NS-GW-MW26A-1204 MS/MSD NLS ID: 358647**
Ref. Line 6 COC 73745 NS-GW-MW26A-1204 MS/MSD Matrix: GW
Collected: 12/15/04 11:30 Received: 12/16/04
Notes: Hexavalent Chromium Collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 1.3 | mg/L | 1 | 0.0042 | 0.015 | 12/20/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.013] | mg/L | 1 | 0.0042 | 0.015 | 12/20/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 01/04/05 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 1.3 | 4.5 | 01/04/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 01/09/05 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 0.73 | 2.6 | 01/09/05 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 53 | ug/L | 1 | 2.5* | 5.0 | 12/20/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 43 | ug/L | 1 | 2.5* | 5.0 | 12/20/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/20/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/21/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/20/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/20/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 16 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 15 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 12/16/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 12/21/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 2.2 | ug/L | 1 | 0.51 | 1.8 | 12/20/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.51] | ug/L | 1 | 0.51 | 1.8 | 12/20/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 4.7 | ug/L | 1 | 1.3 | 4.0 | 12/20/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/20/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 12/23/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 1.0 | mg/L | 1 | 0.033 | 0.10 | 12/20/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 12/20/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/20/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/20/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 5.1 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 4.6 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 80 | ug/L | 1 | 1.0* | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 58 | ug/L | 1 | 1.0* | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/21/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 12/21/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | [0.75] | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.8 | mg/L | 1 | 0.53 | 1.9 | 01/04/05 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 5.2 | mg/L | 1 | 0.39 | 1.4 | 01/04/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | [1.7] | ug/L | 1 | 1.6 | 5.5 | 01/04/05 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 2.1 | 7.6 | 01/04/05 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 21 | mg/L | 1 | 0.012 | 0.044 | 01/04/05 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 20 | mg/L | 1 | 0.013 | 0.047 | 01/04/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 01/07/05 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86432
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel R1/FS 25688375

**NS-GW-MW26A-1204 MS/MSD NLS ID: 358647**
Ref. Line 6 COC 73745 NS-GW-MW26A-1204 MS/MSD Matrix: GW
Collected: 12/15/04 11:30 Received: 12/16/04
Notes: Hexavalent Chromium Collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 1.4 | 4.8 | 01/07/05 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 2.3 | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 29 | ug/L | 1 | 5.0* | 10 | 12/20/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [6.5] | ug/L | 1 | 5.0* | 10 | 12/20/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/17/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/17/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/18/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/18/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/23/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/17/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 01/06/05 | SW846 8270C | 721026460 |

NORTHERN [illegible]E SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL [illegible]PORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86432
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**Client:** URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

**Project:** Xcel R1/FS 25688375

**NS-GW-MW25-1204 NLS ID: 358648**
Ref. Line 7 COC 73745 NS-GW-MW25-1204 Matrix: GW
Collected: 12/15/04 13:30 Received: 12/16/04
Notes: Hexavalent Chromium Collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 15 | mg/L | 1 | 0.0042 | 0.015 | 12/20/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | 0.018 | mg/L | 1 | 0.0042 | 0.015 | 12/20/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 01/04/05 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 1.3 | 4.5 | 01/04/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 01/09/05 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | 4.1 | ug/L | 1 | 0.73 | 2.6 | 01/09/05 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 280 | ug/L | 1 | 2.5* | 5.0 | 12/20/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 140 | ug/L | 1 | 2.5* | 5.0 | 12/20/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/20/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | [0.20] | ug/L | 1 | 0.17 | 0.50 | 12/21/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | 0.75 | ug/L | 1 | 0.17 | 0.50 | 12/20/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/20/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 54 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 46 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 19 | ug/L | 1 | 3.6* | | 12/16/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 12/21/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 19 | ug/L | 1 | 0.51 | 1.8 | 12/20/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 12/20/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 8.4 | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 24 | ug/L | 1 | 1.3 | 4.0 | 12/20/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/20/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 12/23/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 15 | mg/L | 1 | 0.033 | 0.10 | 12/20/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 3.4 | mg/L | 1 | 0.033 | 0.10 | 12/20/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 50 | ug/L | 1 | 0.87 | 3.0 | 12/20/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/20/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 22 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 15 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 980 | ug/L | 1 | 1.0* | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 710 | ug/L | 1 | 1.0* | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/21/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | [0.026] | ug/L | 1 | 0.025 | 0.050 | 12/21/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 18 | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.5 | mg/L | 1 | 0.53 | 1.9 | 01/04/05 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 8.8 | mg/L | 1 | 0.39 | 1.4 | 01/04/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 01/04/05 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 2.1 | 7.6 | 01/04/05 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 47 | mg/L | 1 | 0.012 | 0.044 | 01/04/05 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 51 | mg/L | 1 | 0.013 | 0.047 | 01/04/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 01/07/05 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
*Analytical Laboratory and Environmental Services*
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



**Client:** *URS Corporation (Milwaukee)*
**Attn: Ben Nelson**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Project:** **Xcel R1/FS 25688375**

**NLS Project:** **86432**
**NLS Customer:** **91206**
**Fax: 414 831 4101 Phone: 414 831 4100**

**NS-GW-MW25-1204 NLS ID: 358648**
Ref. Line 7 COC 73745 NS-GW-MW25-1204 Matrix: GW
Collected: 12/15/04 13:30 Received: 12/16/04
Notes: Hexavalent Chromium Collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 1.4 | 4.8 | 01/07/05 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 37 | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [0.76] | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 69 | ug/L | 1 | 5.0* | 10 | 12/20/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/20/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/17/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/17/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/18/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/18/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/23/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/17/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 01/06/05 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86432
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel R1/FS 25688375

**NS-GW-MW25A-1204 NLS ID: 358649**
Ref. Line 8 COC 73745 NS-GW-MW25A-1204 Matrix: GW
Collected: 12/15/04 13:45 Received: 12/16/04
Notes: Hexavalent Chromium Collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 1.8 | mg/L | 1 | 0.0042 | 0.015 | 12/20/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.010] | mg/L | 1 | 0.0042 | 0.015 | 12/20/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 01/04/05 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 1.3 | 4.5 | 01/04/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 01/09/05 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | 2.7 | ug/L | 1 | 0.73 | 2.6 | 01/09/05 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 90 | ug/L | 1 | 2.5* | 5.0 | 12/20/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 73 | ug/L | 1 | 2.5* | 5.0 | 12/20/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/20/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/21/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/20/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/20/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 16 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 15 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 12/16/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 12/21/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 2.1 | ug/L | 1 | 0.51 | 1.8 | 12/20/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.72] | ug/L | 1 | 0.51 | 1.8 | 12/20/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | [2.2] | ug/L | 1 | 1.3 | 4.0 | 12/20/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/20/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 12/23/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 1.0 | mg/L | 1 | 0.033 | 0.10 | 12/20/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 12/20/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/20/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/20/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 6.3 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 5.3 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 33 | ug/L | 1 | 1.0* | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 13 | ug/L | 1 | 1.0* | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/21/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 12/21/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | [1.1] | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 5.5 | mg/L | 1 | 0.53 | 1.9 | 01/04/05 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 5.8 | mg/L | 1 | 0.39 | 1.4 | 01/04/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 01/04/05 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 2.1 | 7.6 | 01/04/05 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 18 | mg/L | 1 | 0.012 | 0.044 | 01/04/05 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 18 | mg/L | 1 | 0.013 | 0.047 | 01/04/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 01/07/05 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86432
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**Client:** URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

**Project:** Xcel R1/FS 25688375

**NS-GW-MW25A-1204 NLS ID: 358649**
Ref. Line 8 COC 73745 NS-GW-MW25A-1204 Matrix: GW
Collected: 12/15/04 13:45 Received: 12/16/04
Notes: Hexavalent Chromium Collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 1.4 | 4.8 | 01/07/05 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 3.2 | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [0.68] | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | [8.6] | ug/L | 1 | 5.0* | 10 | 12/20/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/20/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/17/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/17/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/18/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/18/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/23/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/17/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 01/06/05 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel R1/FS 25688375

NLS Project: 86432
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

**NS-GW-MW24-1204 NLS ID: 358650**
Ref. Line 9 COC 73745 NS-GW-MW24-1204 Matrix: GW
Collected: 12/15/04 15:10 Received: 12/16/04
Notes: Hexavalent Chromium Collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 7.4 | mg/L | 1 | 0.0042 | 0.015 | 12/20/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | 0.016 | mg/L | 1 | 0.0042 | 0.015 | 12/20/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 01/04/05 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 1.3 | 4.5 | 01/04/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [2.6] | ug/L | 1 | 2.6 | 9.0 | 01/09/05 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | 4.0 | ug/L | 1 | 0.73 | 2.6 | 01/09/05 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 250 | ug/L | 1 | 2.5* | 5.0 | 12/20/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 200 | ug/L | 1 | 2.5* | 5.0 | 12/20/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 2 | 0.34 | 1.0 | 12/22/04 | SW846 6010 | 721026460 |
| | Dilution required to reduce matrix interferences. | | | | | | | |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/21/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | 0.51 | ug/L | 1 | 0.17 | 0.50 | 12/20/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | [0.25] | ug/L | 1 | 0.17 | 0.50 | 12/20/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 81 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 75 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 6.1 | ug/L | 1 | 3.6* | | 12/16/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 4.4 | ug/L | 1 | 3.6* | | 12/21/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 10 | ug/L | 1 | 0.51 | 1.8 | 12/20/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 12/20/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 6.4 | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | 2.1 | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 16 | ug/L | 1 | 1.3 | 4.0 | 12/20/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/20/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.0080] | mg/L | 1 | 0.0050 | 0.015 | 12/23/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 14 | mg/L | 1 | 0.033 | 0.10 | 12/20/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 8.5 | mg/L | 1 | 0.033 | 0.10 | 12/20/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 11 | ug/L | 1 | 0.87 | 3.0 | 12/20/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/20/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 27 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 24 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 1300 | ug/L | 1 | 1.0* | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 1200 | ug/L | 1 | 1.0* | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/21/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 12/21/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 9.2 | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [0.86] | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 5.6 | mg/L | 1 | 0.53 | 1.9 | 01/04/05 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 7.9 | mg/L | 1 | 0.39 | 1.4 | 01/04/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 01/04/05 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 2.1 | 7.6 | 01/04/05 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 46 | mg/L | 1 | 0.012 | 0.044 | 01/04/05 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 46 | mg/L | 1 | 0.013 | 0.047 | 01/04/05 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86432
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel R1/FS 25688375

**NS-GW-MW24-1204 NLS ID: 358650**
Ref. Line 9 COC 73745 NS-GW-MW24-1204 Matrix: GW
Collected: 12/15/04 15:10 Received: 12/16/04
Notes: Hexavalent Chromium Collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 01/07/05 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 1.4 | 4.8 | 01/07/05 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 28 | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 33 | ug/L | 1 | 5.0* | 10 | 12/20/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/20/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/17/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/17/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/18/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/18/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/23/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/17/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 01/06/05 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 86432
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW24A-1204 NLS ID: 358651**
Ref. Line 10 COC 73745 NS-GW-MW24A-1204 Matrix: GW
Collected: 12/15/04 16:00 Received: 12/16/04
Notes: Hexavalent Chromium Collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 2.0 | mg/L | 1 | 0.0042 | 0.015 | 12/20/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0080] | mg/L | 1 | 0.0042 | 0.015 | 12/20/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 01/04/05 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 1.3 | 4.5 | 01/04/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [3.0] | ug/L | 1 | 2.6 | 9.0 | 01/09/05 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | 4.1 | ug/L | 1 | 0.73 | 2.6 | 01/09/05 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 96 | ug/L | 1 | 2.5* | 5.0 | 12/20/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 74 | ug/L | 1 | 2.5* | 5.0 | 12/20/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/20/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/21/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/20/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/20/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 14 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 12 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 14 | ug/L | 1 | 3.6* | | 12/16/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | ug/L | | 3.6* | | 12/21/04 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | |
| Chromium, tot. as Cr by ICP-Trace | 2.4 | ug/L | 1 | 0.51 | 1.8 | 12/20/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.52] | ug/L | 1 | 0.51 | 1.8 | 12/20/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | [2.7] | ug/L | 1 | 1.3 | 4.0 | 12/20/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/20/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 12/23/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 1.5 | mg/L | 1 | 0.033 | 0.10 | 12/20/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 12/20/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/20/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/20/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 5.4 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 4.3 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 47 | ug/L | 1 | 1.0* | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 15 | ug/L | 1 | 1.0* | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/21/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 12/21/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | [1.3] | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.0 | mg/L | 1 | 0.53 | 1.9 | 01/04/05 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 4.4 | mg/L | 1 | 0.39 | 1.4 | 01/04/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 01/04/05 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 2.1 | 7.6 | 01/04/05 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 16 | mg/L | 1 | 0.012 | 0.044 | 01/04/05 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 16 | mg/L | 1 | 0.013 | 0.047 | 01/04/05 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 86432
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW24A-1204 NLS ID: 358651**
Ref. Line 10 COC 73745 NS-GW-MW24A-1204 Matrix: GW
Collected: 12/15/04 16:00 Received: 12/16/04
Notes: Hexavalent Chromium Collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 01/07/05 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 1.4 | 4.8 | 01/07/05 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 4.0 | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | [7.1] | ug/L | 1 | 5.0* | 10 | 12/20/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/20/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/17/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/17/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/18/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/18/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/23/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/17/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 01/06/05 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86432
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-WQ-Dup7-1204 NLS ID: 358652**
Ref. Line 1 COC 73747 NS-WQ-Dup7-1204 Matrix: GW
Collected: 12/15/04 00:00 Received: 12/16/04
Notes: Hexavalent Chromium Collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 1.7 | mg/L | 1 | 0.0042 | 0.015 | 12/20/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.012] | mg/L | 1 | 0.0042 | 0.015 | 12/20/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 01/04/05 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 1.3 | 4.5 | 01/04/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 01/09/05 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | 2.6 | ug/L | 1 | 0.73 | 2.6 | 01/09/05 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 88 | ug/L | 1 | 2.5* | 5.0 | 12/20/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 75 | ug/L | 1 | 2.5* | 5.0 | 12/20/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/22/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/21/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/20/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/20/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 16 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 15 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 12/16/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 12/21/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 2.0 | ug/L | 1 | 0.51 | 1.8 | 12/20/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.62] | ug/L | 1 | 0.51 | 1.8 | 12/20/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | [2.8] | ug/L | 1 | 1.3 | 4.0 | 12/20/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/20/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 12/23/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 1.0 | mg/L | 1 | 0.033 | 0.10 | 12/20/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 12/20/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/20/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/20/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 6.2 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 5.5 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 32 | ug/L | 1 | 1.0* | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 14 | ug/L | 1 | 1.0* | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/21/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 12/21/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | [1.0] | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 5.6 | mg/L | 1 | 0.53 | 1.9 | 01/04/05 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 5.8 | mg/L | 1 | 0.39 | 1.4 | 01/04/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 01/04/05 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 2.1 | 7.6 | 01/04/05 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | [1.3] | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 18 | mg/L | 1 | 0.012 | 0.044 | 01/04/05 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 18 | mg/L | 1 | 0.013 | 0.047 | 01/04/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 01/07/05 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86432
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel R1/FS 25688375

**NS-WQ-Dup7-1204 NLS ID: 358652**
Ref. Line 1 COC 73747 NS-WQ-Dup7-1204 Matrix: GW
Collected: 12/15/04 00:00 Received: 12/16/04
Notes: Hexavalent Chromium Collected after 13:00

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 1.4 | 4.8 | 01/07/05 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 3.2 | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [1.2] | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | [8.3] | ug/L | 1 | 5.0* | 10 | 12/20/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/20/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/17/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/17/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/18/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/18/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/23/04 | SW846 8260 | 721026460 |
| *8270 Acid/Base Extraction by 3510C* | yes | | | | | 12/17/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 01/06/05 | SW846 8270C | 721026460 |

**NS-WQ-Trip Blank7-1204 NLS ID: 358653**
Ref. Line 2 COC 73747 NS-WQ-Trip Blank7-1204 Matrix: TB
Collected: 12/15/04 00:00 Received: 12/16/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 12/23/04 | SW846 8260 | 721026460 |

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Wate[illegible] (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86432**

**Project Description: Xcel R1/FS 25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 01/24/2005 15:39**

**Sample: 358642 NS-GW-MW7R-1204** **Collected: 12/15/04** **Analyzed: 12/23/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 36000 | ug/L | 2500 | 290 | 960 |
| sec-Butylbenzene | ND | ug/L | 2500 | 390 | 1300 |
| Ethylbenzene | 3400 | ug/L | 2500 | 350 | 1200 |
| ortho-Xylene | 1400 | ug/L | 2500 | 330 | 1100 |
| Styrene | [1000] | ug/L | 2500 | 350 | 1200 |
| Toluene | 16000 | ug/L | 2500 | 510 | 1900 |
| 1,2,4-Trimethylbenzene | [450] | ug/L | 2500 | 360 | 1200 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 2500 | 310 | 1000 |
| meta,para-Xylene | 2900 | ug/L | 2500 | 660 | 2200 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 2500 | 510 | 1700 |
| Dibromofluoromethane (SURR**) | 99% | | | | |
| Toluene-d8 (SURR**) | 100% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 96% | | | | |

**Sample: 358643 NS-GW-MW03(NET)-1204** **Collected: 12/15/04** **Analyzed: 12/23/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 4.8 | ug/L | 10 | 1.2 | 3.8 |
| sec-Butylbenzene | ND | ug/L | 10 | 1.6 | 5.2 |
| Ethylbenzene | ND | ug/L | 10 | 1.4 | 4.7 |
| ortho-Xylene | ND | ug/L | 10 | 1.3 | 4.4 |
| Styrene | ND | ug/L | 10 | 1.4 | 4.7 |
| Toluene | ND | ug/L | 10 | 2.0 | 7.7 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 10 | 1.4 | 4.8 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 10 | 1.2 | 4.1 |
| meta,para-Xylene | ND | ug/L | 10 | 2.6 | 8.8 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 10 | 2.1 | 6.8 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 106% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 106% | | | | |

Sample diluted due to a high level of unidentified hydrocarbons.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86432**

**Project Description: Xcel R1/FS 25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 01/24/2005 15:39**

**Sample: 358644 NS-GW-MW7A-1204** **Collected: 12/15/04** **Analyzed: 12/23/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 11000 | ug/L | 1000 | 120 | 380 |
| sec-Butylbenzene | ND | ug/L | 1000 | 160 | 520 |
| Ethylbenzene | 1700 | ug/L | 1000 | 140 | 470 |
| ortho-Xylene | 1000 | ug/L | 1000 | 130 | 440 |
| Styrene | 1600 | ug/L | 1000 | 140 | 470 |
| Toluene | 7300 | ug/L | 1000 | 200 | 770 |
| 1,2,4-Trimethylbenzene | 540 | ug/L | 1000 | 140 | 480 |
| 1,3,5-Trimethylbenzene | [360] | ug/L | 1000 | 120 | 410 |
| meta,para-Xylene | 2000 | ug/L | 1000 | 260 | 880 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1000 | 210 | 680 |
| Dibromofluoromethane (SURR**) | 107% | | | | |
| Toluene-d8 (SURR**) | 111% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 110% | | | | |

**Sample: 358645 NS-GW-MW7B-1204** **Collected: 12/15/04** **Analyzed: 12/23/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 0.39 | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | [0.32] | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | [0.22] | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | 0.81 | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | [0.23] | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | [0.30] | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 108% | | | | |
| Toluene-d8 (SURR**) | 112% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

**Sample: 358646 NS-GW-MW26-1204** **Collected: 12/15/04** **Analyzed: 12/23/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [5.5] | ug/L | 40 | 4.6 | 15 |
| sec-Butylbenzene | ND | ug/L | 40 | 6.3 | 21 |
| Ethylbenzene | 56 | ug/L | 40 | 5.6 | 19 |
| ortho-Xylene | 23 | ug/L | 40 | 5.3 | 18 |
| Styrene | ND | ug/L | 40 | 5.6 | 19 |
| Toluene | [18] | ug/L | 40 | 8.2 | 31 |
| 1,2,4-Trimethylbenzene | 38 | ug/L | 40 | 5.8 | 19 |
| 1,3,5-Trimethylbenzene | [12] | ug/L | 40 | 4.9 | 16 |
| meta,para-Xylene | 49 | ug/L | 40 | 10 | 35 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 40 | 8.2 | 27 |
| Dibromofluoromethane (SURR**) | 105% | | | | |
| Toluene-d8 (SURR**) | 110% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86432**

**Project Description: Xcel R1/FS 25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 01/24/2005 15:39**

**Sample: 358647** **NS-GW-MW26A-1204 MS/MSD** **Collected: 12/15/04** **Analyzed: 12/23/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | 0.98 | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 102% | | | | |
| Toluene-d8 (SURR**) | 105% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 94% | | | | |

**Sample: 358648** **NS-GW-MW25-1204** **Collected: 12/15/04** **Analyzed: 12/23/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 1800 | ug/L | 125 | 14 | 48 |
| sec-Butylbenzene | ND | ug/L | 125 | 20 | 66 |
| Ethylbenzene | 360 | ug/L | 125 | 18 | 59 |
| ortho-Xylene | 110 | ug/L | 125 | 17 | 55 |
| Styrene | ND | ug/L | 125 | 18 | 59 |
| Toluene | ND | ug/L | 125 | 26 | 96 |
| 1,2,4-Trimethylbenzene | 80 | ug/L | 125 | 18 | 60 |
| 1,3,5-Trimethylbenzene | [18] | ug/L | 125 | 15 | 51 |
| meta,para-Xylene | [78] | ug/L | 125 | 33 | 110 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 125 | 26 | 85 |
| Dibromofluoromethane (SURR**) | 106% | | | | |
| Toluene-d8 (SURR**) | 106% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

**Sample: 358649** **NS-GW-MW25A-1204** **Collected: 12/15/04** **Analyzed: 12/23/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | [0.49] | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 107% | | | | |
| Toluene-d8 (SURR**) | 110% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 105% | | | | |

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86432**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: SAT2NSP** **Printed: 01/24/2005 15:39**

**Sample: 358650 NS-GW-MW24-1204** **Collected: 12/15/04** **Analyzed: 12/23/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 200 | ug/L | 20 | 2.3 | 7.7 |
| sec-Butylbenzene | ND | ug/L | 20 | 3.1 | 10 |
| Ethylbenzene | 15 | ug/L | 20 | 2.8 | 9.4 |
| ortho-Xylene | [6.7] | ug/L | 20 | 2.7 | 8.9 |
| Styrene | ND | ug/L | 20 | 2.8 | 9.4 |
| Toluene | ND | ug/L | 20 | 4.1 | 15 |
| 1,2,4-Trimethylbenzene | 25 | ug/L | 20 | 2.9 | 9.6 |
| 1,3,5-Trimethylbenzene | [4.0] | ug/L | 20 | 2.4 | 8.1 |
| meta,para-Xylene | [5.5] | ug/L | 20 | 5.2 | 18 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 20 | 4.1 | 14 |
| Dibromofluoromethane (SURR**) | 104% | | | | |
| Toluene-d8 (SURR**) | 106% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 103% | | | | |

**Sample: 358651 NS-GW-MW24A-1204** **Collected: 12/15/04** **Analyzed: 12/23/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | [0.23] | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 109% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

**Sample: 358652 NS-WQ-Dup7-1204** **Collected: 12/15/04** **Analyzed: 12/23/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | [0.22] | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 102% | | | | |
| Toluene-d8 (SURR**) | 107% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 98% | | | | |

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86432**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: SAT2NSP** **Printed: 01/24/2005 15:39**

**Sample: 358653** **NS-WQ-Trip Blank7-1204** **Collected: 12/15/04** **Analyzed: 12/23/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | ND | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 111% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86432**

**Project Description: Xcel R1/FS 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:39**

**Sample: 358642** **NS-GW-MW7R-1204** **Collected: 12/15/04** **Analyzed: 01/06/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 300 | 1000 |
| Acenaphthylene | ND | ug/L | 200 | 340 | 1100 |
| Anthracene | ND | ug/L | 200 | 270 | 900 |
| Benzo[a]anthracene | ND | ug/L | 200 | 280 | 920 |
| Benzo[a]pyrene | ND | ug/L | 200 | 280 | 920 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 250 | 840 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 270 | 900 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 340 | 1100 |
| Chrysene | ND | ug/L | 200 | 280 | 930 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 260 | 880 |
| Dibenzofuran | ND | ug/L | 200 | 310 | 1000 |
| Fluoranthene | ND | ug/L | 200 | 290 | 950 |
| Fluorene | ND | ug/L | 200 | 340 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 310 | 1000 |
| 1-Methylnaphthalene | [690] | ug/L | 200 | 320 | 1100 |
| 2-Methylnaphthalene | [960] | ug/L | 200 | 310 | 1000 |
| 2-Methylphenol | 940 | ug/L | 200 | 220 | 820 |
| 3 & 4-Methylphenol | 1100 | ug/L | 200 | 250 | 840 |
| Naphthalene | 4300 | ug/L | 200 | 330 | 1100 |
| Phenanthrene | ND | ug/L | 200 | 290 | 950 |
| Phenol | [160] | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 290 | 960 |
| Benzo[e]pyrene | ND | ug/L | 200 | 220 | 740 |
| 2-Fluorophenol (SURR**) | 28% | | | | |
| Phenol-d5 (SURR**) | 16% | | | | |
| Nitrobenzene-d5 (SURR**) | 63% | | | | |
| 2-Fluorobiphenyl (SURR**) | 79% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 80% | | | | |
| Terphenyl-d14 (SURR**) | 56% | | | | |

A 10 fold dilution was performed during extraction.

Matrix spike and matrix spike duplicate recoveries for Phenol were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86432**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:39**

**Sample: 358643** **NS-GW-MW03(NET)-1204** **Collected: 12/15/04** **Analyzed: 01/06/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 25 | 37 | 120 |
| Acenaphthylene | ND | ug/L | 25 | 42 | 140 |
| Anthracene | [40] | ug/L | 25 | 34 | 110 |
| Benzo[a]anthracene | [99] | ug/L | 25 | 34 | 110 |
| Benzo[a]pyrene | 120 | ug/L | 25 | 34 | 110 |
| Benzo[b]fluoranthene | [85] | ug/L | 25 | 32 | 110 |
| Benzo[g,h,i]perylene | [64] | ug/L | 25 | 34 | 110 |
| Benzo[k]fluoranthene | ND | ug/L | 25 | 42 | 140 |
| Chrysene | [110] | ug/L | 25 | 35 | 120 |
| Dibenzo[a,h]anthracene | ND | ug/L | 25 | 33 | 110 |
| Dibenzofuran | ND | ug/L | 25 | 39 | 130 |
| Fluoranthene | 180 | ug/L | 25 | 36 | 120 |
| Fluorene | ND | ug/L | 25 | 43 | 140 |
| Indeno[1,2,3-cd]pyrene | [46] | ug/L | 25 | 39 | 130 |
| 1-Methylnaphthalene | ND | ug/L | 25 | 40 | 130 |
| 2-Methylnaphthalene | ND | ug/L | 25 | 38 | 130 |
| 2-Methylphenol | ND | ug/L | 25 | 28 | 100 |
| 3 & 4-Methylphenol | ND | ug/L | 25 | 32 | 110 |
| Naphthalene | ND | ug/L | 25 | 41 | 140 |
| Phenanthrene | [52] | ug/L | 25 | 36 | 120 |
| Phenol | ND | ug/L | 25 | 13 | 42 |
| Pyrene | 290 | ug/L | 25 | 36 | 120 |
| Benzo[e]pyrene | [69] | ug/L | 25 | 28 | 92 |
| 2-Fluorophenol (SURR**) | 37% | | | | |
| Phenol-d5 (SURR**) | 24% | | | | |
| Nitrobenzene-d5 (SURR**) | 79% | | | | |
| 2-Fluorobiphenyl (SURR**) | 96% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 86% | | | | |
| Terphenyl-d14 (SURR**) | 61% | | | | |

Matrix spike and matrix spike duplica e recoveries for Phenol were below QC limits.

*Matrix spike and matrix spike duplica e percent difference for Benzo[g,h,i]perylene was outside QC limits.*

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86432**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:39**

**Sample: 358644** **NS-GW-MW7A-1204** **Collected: 12/15/04** **Analyzed: 01/06/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 300 | 1000 |
| Acenaphthylene | ND | ug/L | 200 | 340 | 1100 |
| Anthracene | ND | ug/L | 200 | 270 | 900 |
| Benzo[a]anthracene | ND | ug/L | 200 | 280 | 920 |
| Benzo[a]pyrene | ND | ug/L | 200 | 280 | 920 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 250 | 840 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 270 | 900 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 340 | 1100 |
| Chrysene | ND | ug/L | 200 | 280 | 930 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 260 | 880 |
| Dibenzofuran | ND | ug/L | 200 | 310 | 1000 |
| Fluoranthene | ND | ug/L | 200 | 290 | 950 |
| Fluorene | ND | ug/L | 200 | 340 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 310 | 1000 |
| 1-Methylnaphthalene | [580] | ug/L | 200 | 320 | 1100 |
| 2-Methylnaphthalene | [880] | ug/L | 200 | 310 | 1000 |
| 2-Methylphenol | ND | ug/L | 200 | 220 | 820 |
| 3 & 4-Methylphenol | ND | ug/L | 200 | 250 | 840 |
| Naphthalene | 4000 | ug/L | 200 | 330 | 1100 |
| Phenanthrene | ND | ug/L | 200 | 290 | 950 |
| Phenol | ND | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 290 | 960 |
| Benzo[e]pyrene | ND | ug/L | 200 | 220 | 740 |
| 2-Fluorophenol (SURR**) | 31% | | | | |
| Phenol-d5 (SURR**) | 17% | | | | |
| Nitrobenzene-d5 (SURR**) | 61% | | | | |
| 2-Fluorobiphenyl (SURR**) | 78% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 69% | | | | |
| Terphenyl-d14 (SURR**) | 55% | | | | |

A 10 fold dilution was performed during extraction.
Matrix spike and matrix spike duplicate recoveries for Phenol were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86432**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:39**

**Sample: 358645** **NS-GW-MW7B-1204** **Collected: 12/15/04** **Analyzed: 01/06/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | [1.6] | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | [2.2] | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | [2.3] | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 30% | | | | |
| Phenol-d5 (SURR**) | 19% | | | | |
| Nitrobenzene-d5 (SURR**) | 66% | | | | |
| 2-Fluorobiphenyl (SURR**) | 74% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 88% | | | | |
| Terphenyl-d14 (SURR**) | 40% | | | | |

Matrix spike and matrix spike duplicate recoveries for Phenol were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86432**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:39**

**Sample: 358646** **NS-GW-MW26-1204** **Collected: 12/15/04** **Analyzed: 01/06/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [74] | ug/L | 20 | 30 | 100 |
| Acenaphthylene | ND | ug/L | 20 | 34 | 110 |
| Anthracene | ND | ug/L | 20 | 27 | 90 |
| Benzo[a]anthracene | ND | ug/L | 20 | 28 | 92 |
| Benzo[a]pyrene | ND | ug/L | 20 | 28 | 92 |
| Benzo[b]fluoranthene | ND | ug/L | 20 | 25 | 84 |
| Benzo[g,h,i]perylene | ND | ug/L | 20 | 27 | 90 |
| Benzo[k]fluoranthene | ND | ug/L | 20 | 34 | 110 |
| Chrysene | ND | ug/L | 20 | 28 | 93 |
| Dibenzo[a,h]anthracene | ND | ug/L | 20 | 26 | 88 |
| Dibenzofuran | ND | ug/L | 20 | 31 | 100 |
| Fluoranthene | ND | ug/L | 20 | 29 | 95 |
| Fluorene | ND | ug/L | 20 | 34 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 20 | 31 | 100 |
| 1-Methylnaphthalene | 150 | ug/L | 20 | 32 | 110 |
| 2-Methylnaphthalene | 190 | ug/L | 20 | 31 | 100 |
| 2-Methylphenol | ND | ug/L | 20 | 22 | 82 |
| 3 & 4-Methylphenol | ND | ug/L | 20 | 25 | 84 |
| Naphthalene | 390 | ug/L | 20 | 33 | 110 |
| Phenanthrene | [32] | ug/L | 20 | 29 | 95 |
| Phenol | ND | ug/L | 20 | 10 | 34 |
| Pyrene | ND | ug/L | 20 | 29 | 96 |
| Benzo[e]pyrene | ND | ug/L | 20 | 22 | 74 |
| 2-Fluorophenol (SURR**) | 31% | | | | |
| Phenol-d5 (SURR**) | 20% | | | | |
| Nitrobenzene-d5 (SURR**) | 68% | | | | |
| 2-Fluorobiphenyl (SURR**) | 84% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 89% | | | | |
| Terphenyl-d14 (SURR**) | 54% | | | | |

Matrix spike and matrix spike duplicate recoveries for Phenol were below QC limits.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86432**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:39**

**Sample: 358647** **NS-GW-MW26A-1204 MS/MSD** **Collected: 12/15/04** **Analyzed: 01/06/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 37% | | | | |
| Phenol-d5 (SURR**) | 22% | | | | |
| Nitrobenzene-d5 (SURR**) | 71% | | | | |
| 2-Fluorobiphenyl (SURR**) | 78% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 98% | | | | |
| Terphenyl-d14 (SURR**) | 58% | | | | |

Matrix spike and matrix spike duplicate recoveries for Phenol were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86432**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:39**

**Sample: 358648** **NS-GW-MW25-1204** **Collected: 12/15/04** **Analyzed: 01/06/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [88] | ug/L | 20 | 30 | 100 |
| Acenaphthylene | ND | ug/L | 20 | 34 | 110 |
| Anthracene | ND | ug/L | 20 | 27 | 90 |
| Benzo[a]anthracene | ND | ug/L | 20 | 28 | 92 |
| Benzo[a]pyrene | ND | ug/L | 20 | 28 | 92 |
| Benzo[b]fluoranthene | ND | ug/L | 20 | 25 | 84 |
| Benzo[g,h,i]perylene | ND | ug/L | 20 | 27 | 90 |
| Benzo[k]fluoranthene | ND | ug/L | 20 | 34 | 110 |
| Chrysene | ND | ug/L | 20 | 28 | 93 |
| Dibenzo[a,h]anthracene | ND | ug/L | 20 | 26 | 88 |
| Dibenzofuran | ND | ug/L | 20 | 31 | 100 |
| Fluoranthene | ND | ug/L | 20 | 29 | 95 |
| Fluorene | ND | ug/L | 20 | 34 | 110 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 20 | 31 | 100 |
| 1-Methylnaphthalene | 250 | ug/L | 20 | 32 | 110 |
| 2-Methylnaphthalene | ND | ug/L | 20 | 31 | 100 |
| 2-Methylphenol | ND | ug/L | 20 | 22 | 82 |
| 3 & 4-Methylphenol | ND | ug/L | 20 | 25 | 84 |
| Naphthalene | 570 | ug/L | 20 | 33 | 110 |
| Phenanthrene | ND | ug/L | 20 | 29 | 95 |
| Phenol | ND | ug/L | 20 | 10 | 34 |
| Pyrene | ND | ug/L | 20 | 29 | 96 |
| Benzo[e]pyrene | ND | ug/L | 20 | 22 | 74 |
| 2-Fluorophenol (SURR**) | 36% | | | | |
| Phenol-d5 (SURR**) | 22% | | | | |
| Nitrobenzene-d5 (SURR**) | 68% | | | | |
| 2-Fluorobiphenyl (SURR**) | 84% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 89% | | | | |
| Terphenyl-d14 (SURR**) | 52% | | | | |

Matrix spike and matrix spike duplicate recoveries for Phenol were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86432**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:39**

**Sample: 358649 NS-GW-MW25A-1204** **Collected: 12/15/04** **Analyzed: 01/06/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 35% | | | | |
| Phenol-d5 (SURR**) | 22% | | | | |
| Nitrobenzene-d5 (SURR**) | 67% | | | | |
| 2-Fluorobiphenyl (SURR**) | 75% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 91% | | | | |
| Terphenyl-d14 (SURR**) | 52% | | | | |

Matrix spike and matrix spike duplicate recoveries for Phenol were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86432**

**Project Description: Xcel R1/FS 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:39**

**Sample: 358650** **NS-GW-MW24-1204** **Collected: 12/15/04** **Analyzed: 01/06/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 33 | ug/L | 2 | 3.0 | 10 |
| Acenaphthylene | ND | ug/L | 2 | 3.4 | 11 |
| Anthracene | ND | ug/L | 2 | 2.7 | 9.0 |
| Benzo[a]anthracene | ND | ug/L | 2 | 2.8 | 9.2 |
| Benzo[a]pyrene | ND | ug/L | 2 | 2.8 | 9.2 |
| Benzo[b]fluoranthene | ND | ug/L | 2 | 2.5 | 8.4 |
| Benzo[g,h,i]perylene | ND | ug/L | 2 | 2.7 | 9.0 |
| Benzo[k]fluoranthene | ND | ug/L | 2 | 3.4 | 11 |
| Chrysene | ND | ug/L | 2 | 2.8 | 9.3 |
| Dibenzo[a,h]anthracene | ND | ug/L | 2 | 2.6 | 8.8 |
| Dibenzofuran | ND | ug/L | 2 | 3.1 | 10 |
| Fluoranthene | ND | ug/L | 2 | 2.9 | 9.5 |
| Fluorene | [5.5] | ug/L | 2 | 3.4 | 11 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 2 | 3.1 | 10 |
| 1-Methylnaphthalene | 64 | ug/L | 2 | 3.2 | 11 |
| 2-Methylnaphthalene | [3.4] | ug/L | 2 | 3.1 | 10 |
| 2-Methylphenol | ND | ug/L | 2 | 2.2 | 8.2 |
| 3 & 4-Methylphenol | ND | ug/L | 2 | 2.5 | 8.4 |
| Naphthalene | 35 | ug/L | 2 | 3.3 | 11 |
| Phenanthrene | ND | ug/L | 2 | 2.9 | 9.5 |
| Phenol | ND | ug/L | 2 | 1.0 | 3.4 |
| Pyrene | ND | ug/L | 2 | 2.9 | 9.6 |
| Benzo[e]pyrene | ND | ug/L | 2 | 2.2 | 7.4 |
| 2-Fluorophenol (SURR**) | 33% | | | | |
| Phenol-d5 (SURR**) | 21% | | | | |
| Nitrobenzene-d5 (SURR**) | 67% | | | | |
| 2-Fluorobiphenyl (SURR**) | 81% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 105% | | | | |
| Terphenyl-d14 (SURR**) | 58% | | | | |

Matrix spike and matrix spike duplicate recoveries for Phenol were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86432**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:39**

**Sample: 358651** **NS-GW-MW24A-1204** **Collected: 12/15/04** **Analyzed: 01/06/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 33% | | | | |
| Phenol-d5 (SURR**) | 20% | | | | |
| Nitrobenzene-d5 (SURR**) | 63% | | | | |
| 2-Fluorobiphenyl (SURR**) | 71% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 88% | | | | |
| Terphenyl-d14 (SURR**) | 56% | | | | |

Matrix spike and matrix spike duplicate recoveries for Phenol were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86432**

***Project Description: Xcel R1/FS 25688375***

**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:39**

**Sample: 358652** **NS-WQ-Dup7-1204** **Collected: 12/15/04** **Analyzed: 01/06/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 33% | | | | |
| Phenol-d5 (SURR**) | 21% | | | | |
| Nitrobenzene-d5 (SURR**) | 66% | | | | |
| 2-Fluorobiphenyl (SURR**) | 74% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 94% | | | | |
| Terphenyl-d14 (SURR**) | 55% | | | | |

Matrix spike and matrix spike duplicate recoveries for Phenol were below QC limits.

** Surrogates are used to evaluate a method's Quality Control.

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel R1/FS 25688375

NLS Project: 86477
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**NS-GW-MW10-1204 NLS ID: 358819**
Ref. Line 1 COC 73744 NS-GW-MW10-1204 Matrix: GW
Collected: 12/16/04 06:30 Received: 12/16/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 26 | mg/L | 1 | 0.0042 | 0.015 | 12/20/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0070] | mg/L | 1 | 0.0042 | 0.015 | 12/20/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 01/05/05 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 2 | 2.6 | 9.1 | 01/05/05 | SW846 7041 | 721026460 |
| Sample required a dilution to overcome negative interference encountered during analysis. | | | | | | | | |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 01/10/05 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | 8.0 | ug/L | 2 | 1.5 | 5.1 | 01/10/05 | SW846 7060 | 721026460 |
| Sample required a dilution to overcome negative interference encountered during analysis. | | | | | | | | |
| Barium, tot. as Ba by ICP-Trace | 490 | ug/L | 1 | 2.5* | 5.0 | 12/20/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 350 | ug/L | 1 | 2.5* | 5.0 | 12/20/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 5 | 0.85 | 2.5 | 12/23/04 | SW846 6010 | 721026460 |
| Dilution was required to reduce matrix interferences. | | | | | | | | |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/21/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | 0.98 | ug/L | 1 | 0.17 | 0.50 | 12/20/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/20/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 150 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 130 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 5.0 | ug/L | 1 | 3.6* | | 12/16/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 31 | ug/L | 1 | 3.6* | | 12/21/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 36 | ug/L | 1 | 0.51 | 1.8 | 12/20/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 12/20/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 24 | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | [0.76] | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 60 | ug/L | 1 | 1.3 | 4.0 | 12/20/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | [1.5] | ug/L | 1 | 1.3 | 4.0 | 12/20/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 12/28/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 26 | mg/L | 1 | 0.033 | 0.10 | 12/20/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 12/20/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 8.4 | ug/L | 1 | 0.87 | 3.0 | 12/20/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/20/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 97 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 93 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 840 | ug/L | 1 | 1.0* | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 410 | ug/L | 1 | 1.0* | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/22/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 12/22/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 38 | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.3] | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.1 | mg/L | 1 | 0.53 | 1.9 | 01/05/05 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 9.9 | mg/L | 1 | 0.39 | 1.4 | 01/05/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 01/05/05 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 2 | 4.2 | 15 | 01/05/05 | SW846 7740 | 721026460 |
| Sample required a dilution to overcome negative interference encountered during analysis. | | | | | | | | |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86477
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel R1/FS 25688375

**NS-GW-MW10-1204 NLS ID: 358819**
Ref. Line 1 COC 73744 NS-GW-MW10-1204 Matrix: GW
*Collected:* 12/16/04 06:30 *Received:* 12/16/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Sodium, dis. as Na | 130 | mg/L | 1 | 0.012 | 0.044 | 01/05/05 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 96 | mg/L | 1 | 0.013 | 0.047 | 01/05/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 01/09/05 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 1.4 | 4.8 | 01/09/05 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 57 | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 2.1 | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 82 | ug/L | 1 | 5.0* | 10 | 12/20/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/20/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/17/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/17/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/18/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/18/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/21/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/20/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 01/07/05 | SW846 8270C | 721026460 |

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Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 86477
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW10A-1204 NLS ID: 358820**
Ref. Line 2 COC 73744 NS-GW-MW10A-1204 Matrix: GW
Collected: 12/16/04 06:45 Received: 12/16/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.37 | mg/L | 1 | 0.0042 | 0.015 | 12/20/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 12/20/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 01/05/05 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 1.3 | 4.5 | 01/05/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 2 | 5.1 | 18 | 01/10/05 | SW846 7060 | 721026460 |
| | Matrix spike and spike duplicate recoveries for this sample where outside of the NLS in-house control limits at 145.2% and 144.2% respectively. Problem attributed to sample matrix. | | | | | | | |
| Arsenic, tot. as As by furnace AAS | 5.7 | ug/L | 1 | 0.73 | 2.6 | 01/10/05 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 180 | ug/L | 1 | 2.5* | 5.0 | 12/20/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 180 | ug/L | 1 | 2.5* | 5.0 | 12/20/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/22/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/21/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/20/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/20/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 110 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 100 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 12/16/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 12/21/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [1.3] | ug/L | 1 | 0.51 | 1.8 | 12/20/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 12/20/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 9.6 | ug/L | 1 | 1.3 | 4.0 | 12/20/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/20/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 12/28/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 0.58 | mg/L | 1 | 0.033 | 0.10 | 12/20/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 12/20/04 | SW846 6010 | 721026460 |
| Lead tot. as Pb by ICP-Trace | 3.8 | ug/L | 1 | 0.87 | 3.0 | 12/20/04 | SW846 6010 | 721026460 |
| Lead dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/20/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 56 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 57 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 190 | ug/L | 1 | 1.0* | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 150 | ug/L | 1 | 1.0* | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/22/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 12/22/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 2.5 | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 7.2 | mg/L | 1 | 0.53 | 1.9 | 01/05/05 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 7.3 | mg/L | 1 | 0.39 | 1.4 | 01/05/05 | SW846 6010 | 721026460 |
| Selenium, dis as Se by furnace AAS | ND | ug/L | 2 | 3.2 | 11 | 01/05/05 | SW846 7740 | 721026460 |
| | Sample required a dilution to overcome negative interference encountered during analysis. | | | | | | | |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 2.1 | 7.6 | 01/05/05 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 29 | mg/L | 1 | 0.012 | 0.044 | 01/05/05 | SW846 6010 | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86477
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW10A-1204 NLS ID: 358820**
Ref. Line 2 COC 73744 NS-GW-MW10A-1204 Matrix: GW
Collected: 12/16/04 06:45 Received: 12/16/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Sodium, tot. as Na | 29 | mg/L | 1 | 0.013 | 0.047 | 01/05/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 2 | 5.0 | 17 | 01/09/05 | SW846 7841 | 721026460 |
| | Sample required a dilution to overcome negative interference encountered during analysis. | | | | | | | |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 1.4 | 4.8 | 01/09/05 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | [1.8] | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [0.69] | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 37 | ug/L | 1 | 5.0* | 10 | 12/20/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | 16 | ug/L | 1 | 5.0* | 10 | 12/20/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/17/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/17/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/18/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/18/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/21/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/20/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 01/07/05 | SW846 8270C | 721026460 |

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Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86477
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW20A-1204 NLS ID: 358821**
Ref. Line 3 COC 73744 NS-GW-MW20A-1204 Matrix: GW
Collected: 12/16/04 07:15 Received: 12/16/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 14 | mg/L | 1 | 0.0042 | 0.015 | 12/20/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0070] | mg/L | 1 | 0.0042 | 0.015 | 12/20/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 01/05/05 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 1.3 | 4.5 | 01/05/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 01/10/05 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | 6.0 | ug/L | 1 | 0.73 | 2.6 | 01/10/05 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 320 | ug/L | 1 | 2.5* | 5.0 | 12/20/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 210 | ug/L | 1 | 2.5* | 5.0 | 12/20/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 5 | 0.85 | 2.5 | 12/23/04 | SW846 6010 | 721026460 |
| | Dilution was required to reduce matrix interferences. | | | | | | | |
| Beryllium, dis as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/21/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | 0.52 | ug/L | 1 | 0.17 | 0.50 | 12/20/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/20/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 130 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 120 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 3.8 | ug/L | 1 | 3.6* | | 12/16/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 20 | ug/L | 1 | 3.6* | | 12/21/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 23 | ug/L | 1 | 0.51 | 1.8 | 12/20/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 12/20/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | 15 | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 26 | ug/L | 1 | 1.3 | 4.0 | 12/20/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/20/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 12/28/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 12 | mg/L | 1 | 0.033 | 0.10 | 12/20/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 12/20/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | 4.6 | ug/L | 1 | 0.87 | 3.0 | 12/20/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/20/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 84 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 78 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 710 | ug/L | 1 | 1.0* | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 130 | ug/L | 1 | 1.0* | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/22/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 12/22/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 20 | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 2.1 | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 7.6 | mg/L | 1 | 0.53 | 1.9 | 01/05/05 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 12 | mg/L | 1 | 0.39 | 1.4 | 01/05/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 01/05/05 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 2.1 | 7.6 | 01/05/05 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 46 | mg/L | 1 | 0.012 | 0.044 | 01/05/05 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 45 | mg/L | 1 | 0.013 | 0.047 | 01/05/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 01/09/05 | SW846 7841 | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel R1/FS 25688375

NLS Project: 86477
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**NS-GW-MW20A-1204 NLS ID: 358821**
Ref. Line 3 COC 73744 NS-GW-MW20A-1204 Matrix: GW
Collected: 12/16/04 07:15 Received: 12/16/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 1.4 | 4.8 | 01/09/05 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 35 | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 4.9 | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 46 | ug/L | 1 | 5.0* | 10 | 12/20/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [6.9] | ug/L | 1 | 5.0* | 10 | 12/20/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/17/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/17/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/18/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/18/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/21/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/20/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 01/07/05 | SW846 8270C | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 86477
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW21A-1204 NLS ID: 358822**
Ref. Line 4 COC 73744 NS-GW-MW21A-1204 Matrix: GW
Collected: 12/16/04 07:45 Received: 12/16/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 1.3 | mg/L | 1 | 0.0042 | 0.015 | 12/20/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | [0.0060] | mg/L | 1 | 0.0042 | 0.015 | 12/20/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 01/05/05 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 1.3 | 4.5 | 01/05/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [3.9] | ug/L | 1 | 2.6 | 9.0 | 01/10/05 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | 4.9 | ug/L | 1 | 0.73 | 2.6 | 01/10/05 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 410 | ug/L | 1 | 2.5* | 5.0 | 12/20/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 430 | ug/L | 1 | 2.5* | 5.0 | 12/20/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/22/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/21/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/20/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/20/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 110 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 110 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 7.5 | ug/L | 1 | 3.6* | | 12/16/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | ug/L | | 3.6* | | 12/21/04 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | |
| Chromium, tot. as Cr by ICP-Trace | [1.7] | ug/L | 1 | 0.51 | 1.8 | 12/20/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 12/20/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 4.2 | ug/L | 1 | 1.3 | 4.0 | 12/20/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/20/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.013] | mg/L | 1 | 0.0050 | 0.015 | 12/28/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 2.2 | mg/L | 1 | 0.033 | 0.10 | 12/20/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 1.2 | mg/L | 1 | 0.033 | 0.10 | 12/20/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/20/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/20/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 59 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 59 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 570 | ug/L | 1 | 1.0* | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 550 | ug/L | 1 | 1.0* | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/22/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 12/22/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 2.0 | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.5] | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 8.8 | mg/L | 1 | 0.53 | 1.9 | 01/05/05 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 8.6 | mg/L | 1 | 0.39 | 1.4 | 01/05/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 01/05/05 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 2.1 | 7.6 | 01/05/05 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 33 | mg/L | 1 | 0.012 | 0.044 | 01/05/05 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 32 | mg/L | 1 | 0.013 | 0.047 | 01/05/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 01/09/05 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 86477
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW21A-1204 NLS ID: 358822**
Ref. Line 4 COC 73744 NS-GW-MW21A-1204 Matrix: GW
Collected: 12/16/04 07:45 Received: 12/16/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 1.4 | 4.8 | 01/09/05 | SW846 7841 | 721026460 |
| Vanadium, tot. as V by ICP-Trace | 2.5 | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | [6.0] | ug/L | 1 | 5.0* | 10 | 12/20/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/20/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/17/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/17/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/18/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/18/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/21/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/20/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 01/07/05 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 86477
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-MW21B-1204 NLS ID: 358823**
Ref. Line 5 COC 73744 NS-GW-MW21B-1204 Matrix: GW
Collected: 12/16/04 08:00 Received: 12/16/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.82 | mg/L | 1 | 0.0042 | 0.015 | 12/20/04 | SW846 6010 | 721026460 |
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.0042 | 0.015 | 12/20/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 01/05/05 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 1.3 | 4.5 | 01/05/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 2.6 | 9.0 | 01/10/05 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | ND | ug/L | 1 | 0.73 | 2.6 | 01/10/05 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 73 | ug/L | 1 | 2.5* | 5.0 | 12/20/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 61 | ug/L | 1 | 2.5* | 5.0 | 12/20/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/22/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/21/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/20/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/20/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 39 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 36 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 3.8 | ug/L | 1 | 3.6* | | 12/16/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 12/21/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | [1.3] | ug/L | 1 | 0.51 | 1.8 | 12/20/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 12/20/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | [2.7] | ug/L | 1 | 1.3 | 4.0 | 12/20/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | [1.6] | ug/L | 1 | 1.3 | 4.0 | 12/20/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.0070] | mg/L | 1 | 0.0050 | 0.015 | 12/28/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 0.53 | mg/L | 1 | 0.033 | 0.10 | 12/20/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 12/20/04 | SW846 6010 | 721026460 |
| Lead, tot. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/20/04 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/20/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 15 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 13 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 91 | ug/L | 1 | 1.0* | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 76 | ug/L | 1 | 1.0* | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/22/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 12/22/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | [0.76] | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.5 | mg/L | 1 | 0.53 | 1.9 | 01/05/05 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 4.7 | mg/L | 1 | 0.39 | 1.4 | 01/05/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 01/05/05 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 2.1 | 7.6 | 01/05/05 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 35 | mg/L | 1 | 0.012 | 0.044 | 01/05/05 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 34 | mg/L | 1 | 0.013 | 0.047 | 01/05/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 01/09/05 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 1.4 | 4.8 | 01/09/05 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86477
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

***NS-GW-MW21B-1204 NLS ID: 358823***

Ref. Line 5 COC 73744 NS-GW-MW21B-1204 Matrix: GW
Collected: 12/16/04 08:00 Received: 12/16/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, tot. as V by ICP-Trace | 3.9 | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 2.5 | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/20/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/20/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/17/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/17/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/18/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/18/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/21/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/20/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 01/07/05 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 86477
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1/FS 25688375

**NS-GW-TW13-1204 NLS ID: 358824**
Ref. Line 6 COC 73744 NS-GW-TW13-1204 Matrix: GW
Collected: 12/16/04 08:45 Received: 12/16/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, tot. as Al by ICP-Trace | 0.79 | mg/L | 1 | 0.0042 | 0.015 | 12/20/04 | SW846 6010 | 721026460 |
| *Aluminum, dis. as Al by ICP-Trace* | *[0.0050]* | *mg/L* | 1 | 0.0042 | 0.015 | 12/20/04 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 3.2 | 11 | 01/05/05 | SW846 7041 | 721026460 |
| Antimony, tot. as Sb by furnace AAS | ND | ug/L | 1 | 1.3 | 4.5 | 01/05/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [4.1] | ug/L | 1 | 2.6 | 9.0 | 01/10/05 | SW846 7060 | 721026460 |
| Arsenic, tot. as As by furnace AAS | 5.5 | ug/L | 1 | 0.73 | 2.6 | 01/10/05 | SW846 7060 | 721026460 |
| Barium, tot. as Ba by ICP-Trace | 250 | ug/L | 1 | 2.5* | 5.0 | 12/20/04 | SW846 6010 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 240 | ug/L | 1 | 2.5* | 5.0 | 12/20/04 | SW846 6010 | 721026460 |
| Beryllium, tot. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/22/04 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/21/04 | SW846 6010 | 721026460 |
| Cadmium, tot. as Cd by ICP-Trace | 0.61 | ug/L | 1 | 0.17 | 0.50 | 12/20/04 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 12/20/04 | SW846 6010 | 721026460 |
| Calcium, tot. as Ca by ICP-Trace | 160 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 170 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 3.8 | ug/L | 1 | 3.6* | | 12/16/04 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 12/21/04 | Calc. | 721026460 |
| Chromium, tot. as Cr by ICP-Trace | 2.1 | ug/L | 1 | 0.51 | 1.8 | 12/20/04 | SW846 6010 | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.51 | 1.8 | 12/20/04 | SW846 6010 | 721026460 |
| Cobalt, tot. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Copper, tot. as Cu by ICP-Trace | 19 | ug/L | 1 | 1.3 | 4.0 | 12/20/04 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 12/20/04 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | 0.12 | mg/L | 1 | 0.0050 | 0.015 | 12/28/04 | EPA 335.4 | 721026460 |
| Iron, tot. as Fe by ICP-Trace | 4.3 | mg/L | 1 | 0.033 | 0.10 | 12/20/04 | SW846 6010 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 0.83 | mg/L | 1 | 0.033 | 0.10 | 12/20/04 | SW846 6010 | 721026460 |
| Lead tot. as Pb by ICP-Trace | 6.9 | ug/L | 1 | 0.87 | 3.0 | 12/20/04 | SW846 6010 | 721026460 |
| Lead dis. as Pb by ICP-Trace | ND | ug/L | 1 | 0.87 | 3.0 | 12/20/04 | SW846 6010 | 721026460 |
| Magnesium, tot. as Mg by ICP-Trace | 50 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 52 | mg/L | 1 | 0.15* | 0.30 | 12/20/04 | SW846 6010 | 721026460 |
| Manganese, tot. as Mn by ICP-Trace | 600 | ug/L | 1 | 1.0* | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 550 | ug/L | 1 | 1.0* | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 12/22/04 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | 0.066 | ug/L | 1 | 0.025 | 0.050 | 12/22/04 | 245.7M/ 1631M | 721026460 |
| Nickel, tot. as Ni by ICP-Trace | 3.5 | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.9] | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 13 | mg/L | 1 | 0.53 | 1.9 | 01/05/05 | SW846 6010 | 721026460 |
| Potassium, tot. as K | 13 | mg/L | 1 | 0.39 | 1.4 | 01/05/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.6 | 5.5 | 01/05/05 | SW846 7740 | 721026460 |
| Selenium, tot. as Se by furnace AAS | ND | ug/L | 1 | 2.1 | 7.6 | 01/05/05 | SW846 7740 | 721026460 |
| Silver, tot. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 260 | mg/L | 1 | 0.012 | 0.044 | 01/05/05 | SW846 6010 | 721026460 |
| Sodium, tot. as Na | 250 | mg/L | 1 | 0.013 | 0.047 | 01/05/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.5 | 8.7 | 01/09/05 | SW846 7841 | 721026460 |
| Thallium, tot. as Tl by furnace AAS | ND | ug/L | 1 | 1.4 | 4.8 | 01/09/05 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 86477
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Ben Nelson
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Milwaukee,WI 53226 4827

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Project: Xcel R1/FS 25688375

**NS-GW-TW13-1204 NLS ID: 358824**
Ref. Line 6 COC 73744 NS-GW-TW13-1204 Matrix: GW
Collected: 12/16/04 08:45 Received: 12/16/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, tot. as V by ICP-Trace | 3.5 | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [1.3] | ug/L | 1 | 0.67 | 2.0 | 12/20/04 | SW846 6010 | 721026460 |
| Zinc, tot. as Zn by ICP-Trace | 180 | ug/L | 1 | 5.0* | 10 | 12/20/04 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 12/20/04 | SW846 6010 | 721026460 |
| Metals digestion - total, water ICP | yes | | | | | 12/17/04 | SW846 3010 | 721026460 |
| Metals digestion - total, water GF | yes | | | | | 12/17/04 | SW846 3020 | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 12/18/04 | SW846 3005 | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 12/18/04 | SW846 3005 | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 12/21/04 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 12/20/04 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 01/07/05 | SW846 8270C | 721026460 |

**NS-GW-Trip Blank8-1204 NLS ID: 358825**
Ref. Line 7 COC 73744 NS-GW-Trip Blank8-1204 Matrix: TB
Collected: 12/16/04 00:00 Received: 12/16/04

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 12/21/04 | SW846 8260 | 721026460 |

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

# ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86477**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: SAT2NSP** **Printed: 01/24/2005 15:39**

**Sample: 358819** **NS-GW-MW10 1204** **Collected: 12/16/04** **Analyzed: 12/21/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | [0.45] | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | [0.15] | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 105% | | | | |
| Toluene-d8 (SURR**) | 105% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

**Sample: 358820** **NS-GW-MW10A-1204** **Collected: 12/16/04** **Analyzed: 12/21/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | ND | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 106% | | | | |
| Toluene-d8 (SURR**) | 107% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

**Sample: 358821** **NS-GW-MW20A-1204** **Collected: 12/16/04** **Analyzed: 12/21/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [0.17] | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | ND | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 107% | | | | |
| Toluene-d8 (SURR**) | 109% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86477**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: SAT2NSP** **Printed: 01/24/2005 15:39**

**Sample: 358822 NS-GW-MW21A-1204** **Collected: 12/16/04** **Analyzed: 12/21/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 20000 | ug/L | 2000 | 230 | 770 |
| sec-Butylbenzene | ND | ug/L | 2000 | 310 | 1000 |
| Ethylbenzene | [670] | ug/L | 2000 | 280 | 940 |
| ortho-Xylene | 1700 | ug/L | 2000 | 270 | 890 |
| Styrene | 5000 | ug/L | 2000 | 280 | 940 |
| Toluene | 19000 | ug/L | 2000 | 410 | 1500 |
| 1,2,4-Trimethylbenzene | [520] | ug/L | 2000 | 290 | 960 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 2000 | 240 | 810 |
| meta,para-Xylene | 3500 | ug/L | 2000 | 520 | 1800 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 2000 | 410 | 1400 |
| Dibromofluoromethane (SURR**) | 106% | | | | |
| Toluene-d8 (SURR**) | 105% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

**Sample: 358823 NS-GW-MW21B-1204** **Collected: 12/16/04** **Analyzed: 12/21/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 32 | ug/L | 4 | 0.46 | 1.5 |
| sec-Butylbenzene | ND | ug/L | 4 | 0.63 | 2.1 |
| Ethylbenzene | [0.70] | ug/L | 4 | 0.56 | 1.9 |
| ortho-Xylene | [1.6] | ug/L | 4 | 0.53 | 1.8 |
| Styrene | 3.1 | ug/L | 4 | 0.56 | 1.9 |
| Toluene | 6.9 | ug/L | 4 | 0.82 | 3.1 |
| 1,2,4-Trimethylbenzene | [1.4] | ug/L | 4 | 0.58 | 1.9 |
| 1,3,5-Trimethylbenzene | [0.51] | ug/L | 4 | 0.49 | 1.6 |
| meta,para-Xylene | [2.4] | ug/L | 4 | 1.0 | 3.5 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 4 | 0.82 | 2.7 |
| Dibromofluoromethane (SURR**) | 102% | | | | |
| Toluene-d8 (SURR**) | 105% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

**Sample: 358824 NS-GW-TW13-1204** **Collected: 12/16/04** **Analyzed: 12/21/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 3800 | ug/L | 500 | 58 | 190 |
| sec-Butylbenzene | ND | ug/L | 500 | 79 | 260 |
| Ethylbenzene | 1600 | ug/L | 500 | 71 | 230 |
| ortho-Xylene | 570 | ug/L | 500 | 67 | 220 |
| Styrene | ND | ug/L | 500 | 70 | 230 |
| Toluene | 2400 | ug/L | 500 | 100 | 390 |
| 1,2,4-Trimethylbenzene | 370 | ug/L | 500 | 72 | 240 |
| 1,3,5-Trimethylbenzene | [110] | ug/L | 500 | 61 | 200 |
| meta,para-Xylene | 1200 | ug/L | 500 | 130 | 440 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 500 | 100 | 340 |
| Dibromofluoromethane (SURR**) | 107% | | | | |
| Toluene-d8 (SURR**) | 108% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86477**

**Project Description: Xcel R1/FS 25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 01/24/2005 15:39**

**Sample: 358825** **NS-GW-Trip Blank8-1204** **Collected: 12/16/04** **Analyzed: 12/21/04 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.12 | 0.38 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| Ethylbenzene | ND | ug/L | 1 | 0.14 | 0.47 |
| ortho-Xylene | ND | ug/L | 1 | 0.13 | 0.44 |
| Styrene | ND | ug/L | 1 | 0.14 | 0.47 |
| Toluene | ND | ug/L | 1 | 0.20 | 0.77 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.14 | 0.48 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.12 | 0.41 |
| meta,para-Xylene | ND | ug/L | 1 | 0.26 | 0.88 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 105% | | | | |
| Toluene-d8 (SURR**) | 105% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86477**

**Project Description: Xcel R1/FS 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:39**

**Sample: 358819** **NS-GW-MW10-1204** **Collected: 12/16/04** **Analyzed: 01/07/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| *Dibenzo[a,h]anthracene* | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 34% | | | | |
| Phenol-d5 (SURR**) | 23% | | | | |
| Nitrobenzene-d5 (SURR**) | 68% | | | | |
| 2-Fluorobiphenyl (SURR**) | 77% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 93% | | | | |
| Terphenyl-d14 (SURR**) | 60% | | | | |

Matrix spike recovery for Phenol was below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86477**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:39**

**Sample: 358820** **NS-GW-MW10A-1204** **Collected: 12/16/04** **Analyzed: 01/07/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 27% | | | | |
| Phenol-d5 (SURR**) | 19% | | | | |
| Nitrobenzene-d5 (SURR**) | 70% | | | | |
| 2-Fluorobiphenyl (SURR**) | 79% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 77% | | | | |
| Terphenyl-d14 (SURR**) | 59% | | | | |

Matrix spike recovery for Phenol was below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86477**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:39**

**Sample: 358821** **NS-GW-MW20A-1204** **Collected: 12/16/04** **Analyzed: 01/07/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | ND | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | ND | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | ND | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | ND | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 33% | | | | |
| Phenol-d5 (SURR**) | 20% | | | | |
| Nitrobenzene-d5 (SURR**) | 67% | | | | |
| 2-Fluorobiphenyl (SURR**) | 76% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 95% | | | | |
| Terphenyl-d14 (SURR**) | 54% | | | | |

Matrix spike recovery for Phenol was below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86477**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:39**

**Sample: 358822** **NS-GW-MW21A-1204** **Collected: 12/16/04** **Analyzed: 01/07/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 300 | 1000 |
| Acenaphthylene | ND | ug/L | 200 | 340 | 1100 |
| Anthracene | ND | ug/L | 200 | 270 | 900 |
| Benzo[a]anthracene | ND | ug/L | 200 | 280 | 920 |
| Benzo[a]pyrene | ND | ug/L | 200 | 280 | 920 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 250 | 840 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 270 | 900 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 340 | 1100 |
| Chrysene | ND | ug/L | 200 | 280 | 930 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 260 | 880 |
| Dibenzofuran | ND | ug/L | 200 | 310 | 1000 |
| Fluoranthene | ND | ug/L | 200 | 290 | 950 |
| Fluorene | ND | ug/L | 200 | 340 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 310 | 1000 |
| 1-Methylnaphthalene | [670] | ug/L | 200 | 320 | 1100 |
| 2-Methylnaphthalene | [980] | ug/L | 200 | 310 | 1000 |
| 2-Methylphenol | ND | ug/L | 200 | 220 | 820 |
| 3 & 4-Methylphenol | ND | ug/L | 200 | 250 | 840 |
| Naphthalene | 6000 | ug/L | 200 | 330 | 1100 |
| Phenanthrene | ND | ug/L | 200 | 290 | 950 |
| Phenol | ND | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 290 | 960 |
| Benzo[e]pyrene | ND | ug/L | 200 | 220 | 740 |
| 2-Fluorophenol (SURR**) | 32% | | | | |
| Phenol-d5 (SURR**) | 19% | | | | |
| Nitrobenzene-d5 (SURR**) | 64% | | | | |
| 2-Fluorobiphenyl (SURR**) | 84% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 84% | | | | |
| Terphenyl-d14 (SURR**) | 54% | | | | |

A 10 fold dilution was performed during extraction.
Matrix spike recovery for Phenol was below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86477**

**Project Description: Xcel R1/FS 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:39**

**Sample: 358823** **NS-GW-MW21B-1204** **Collected: 12/16/04** **Analyzed: 01/07/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.5 | 5.0 |
| Acenaphthylene | [4.2] | ug/L | 1 | 1.7 | 5.6 |
| Anthracene | [2.4] | ug/L | 1 | 1.4 | 4.5 |
| Benzo[a]anthracene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.4 | 4.6 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 1.3 | 4.2 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.3 | 4.5 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.7 | 5.6 |
| Chrysene | ND | ug/L | 1 | 1.4 | 4.6 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 1.3 | 4.4 |
| Dibenzofuran | ND | ug/L | 1 | 1.6 | 5.2 |
| Fluoranthene | ND | ug/L | 1 | 1.4 | 4.8 |
| Fluorene | [4.1] | ug/L | 1 | 1.7 | 5.7 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 1.5 | 5.1 |
| 1-Methylnaphthalene | 6.2 | ug/L | 1 | 1.6 | 5.3 |
| 2-Methylnaphthalene | [1.8] | ug/L | 1 | 1.5 | 5.1 |
| 2-Methylphenol | [1.3] | ug/L | 1 | 1.1 | 4.1 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.3 | 4.2 |
| Naphthalene | ND | ug/L | 1 | 1.7 | 5.5 |
| Phenanthrene | [1.6] | ug/L | 1 | 1.4 | 4.8 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | [1.6] | ug/L | 1 | 1.4 | 4.8 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.1 | 3.7 |
| 2-Fluorophenol (SURR**) | 33% | | | | |
| Phenol-d5 (SURR**) | 21% | | | | |
| Nitrobenzene-d5 (SURR**) | 64% | | | | |
| 2-Fluorobiphenyl (SURR**) | 74% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 98% | | | | |
| Terphenyl-d14 (SURR**) | 55% | | | | |

Matrix spike recovery for Phenol was below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 86477**
**Project Description: Xcel R1/FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 01/24/2005 15:39**

**Sample: 358824** **NS-GW-TW13-[illegible]204** **Collected: 12/16/04** **Analyzed: 01/07/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [320] | ug/L | 200 | 300 | 1000 |
| Acenaphthylene | ND | ug/L | 200 | 340 | 1100 |
| Anthracene | ND | ug/L | 200 | 270 | 900 |
| Benzo[a]anthracene | ND | ug/L | 200 | 280 | 920 |
| Benzo[a]pyrene | ND | ug/L | 200 | 280 | 920 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 250 | 840 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 270 | 900 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 340 | 1100 |
| Chrysene | ND | ug/L | 200 | 280 | 930 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 260 | 880 |
| Dibenzofuran | ND | ug/L | 200 | 310 | 1000 |
| Fluoranthene | ND | ug/L | 200 | 290 | 950 |
| Fluorene | ND | ug/L | 200 | 340 | 1100 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 310 | 1000 |
| 1-Methylnaphthalene | [770] | ug/L | 200 | 320 | 1100 |
| 2-Methylnaphthalene | 1200 | ug/L | 200 | 310 | 1000 |
| 2-Methylphenol | ND | ug/L | 200 | 220 | 820 |
| 3 & 4-Methylphenol | ND | ug/L | 200 | 250 | 840 |
| Naphthalene | 5300 | ug/L | 200 | 330 | 1100 |
| Phenanthrene | [370] | ug/L | 200 | 290 | 950 |
| Phenol | ND | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 290 | 960 |
| Benzo[e]pyrene | ND | ug/L | 200 | 220 | 740 |
| 2-Fluorophenol (SURR**) | 29% | | | | |
| Phenol-d5 (SURR**) | 19% | | | | |
| Nitrobenzene-d5 (SURR**) | 67% | | | | |
| 2-Fluorobiphenyl (SURR**) | 82% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 66% | | | | |
| Terphenyl-d14 (SURR**) | 56% | | | | |

A 10 fold dilution was performed during extraction.
Matrix spike recovery for Phenol was below QC limits.

** Surrogates are used to evaluate a method's Quality Control.

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD


**NORTHERN LAKE SERVICE, INC.**

*Analytical Laboratory and Environmental Services*

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

*Wisconsin Lab Cert. No. 721026460*

*WI DATCP 105-000330*


NO. 73791

| | |
|---|---|
| CLIENT | UGS |
| ADDRESS | 10200 Innovation Dr. Ste. 500 |
| CITY / STATE / ZIP | Milwaukee / WI / 53226 |
| PROJECT DESCRIPTION / NO. | Xcel RI/FS 25688375 |
| QUOTATION NO. | |
| DNR FID # | |
| DNR LICENSE # | |
| CONTACT | Ben Nelson |
| PHONE | 414.831.4156 |
| PURCHASE ORDER NO. | |
| FAX | 414.831.4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

ANALYZE PER ORDER OF ANALYSIS

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

| ITEM NO. | NLS LAB. NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | | VOC | SVOC | Cyanide | Tot. Metals | Dis. Metals | Hexachrome | | | | | | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | N | N | N | N | Y | Y | | | | | | |
| 1. | 257795 | NS-GW-MW13C-1204 | 12-7-04 | 1315 | GW | | X | X | X | X | X | X | | | | | | All samples |
| 2. | 257796 | NS-GW-MW30-1204 | " | 1325 | " | | X | X | X | X | X | X | | | | | | collected after |
| 3. | 257790 | NS-GW-MW09-1204 | " | 1405 | " | | X | X | X | X | X | X | | | | | | 1400. |
| 4. | 257791 | NS-GW-MW09A-1204 | " | 1415 | " | | X | X | X | X | X | X | | | | | | |
| 5. | 257792 | NS-GW-MW-09B-1204 | " | 1425 | " | | X | X | X | X | X | X | | | | | | |
| 6. | 257793 | NS-GW-MW-09C-1204 | " | 1435 | " | | X | X | X | X | X | X | | | | | | MS/MSD |
| 7. | 257794 | NS-GW-MW-14-1204 | " | 1335 | " | | X | X | X | X | X | X | | | | | | |
| 8. | 257795 | NS-GW-MW-11-1204 | " | 1345 | " | | X | X | X | X | X | X | | | | | | |
| 9. | 257797 | NS-GW-MW-03-1204 | " | 1355 | " | | X | X | X | X | X | X | | | | | | |
| 10. | 257797 | NS-WA-Dup1-1204 | " | — | " | | X | X | X | X | X | X | | | | | | |
| 11. | 257798 | NS-WQ-TripBlank1-1204 | " | — | " | | X | | | | | | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature) | CUSTODY SEAL NO. (IF ANY) | DATE/TIME 12-7-04 1550 |
| RELINQUISHED BY (signature) | RECEIVED BY (signature) | DATE/TIME |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT: UPS | DATE/TIME |

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature) | DATE/TIME 12/08/04 9:30 | CONDITION | TEMP. |
| COOLER # | REMARKS & OTHER INFORMATION | | |
| WDNR FACILITY NUMBER | E-MAIL ADDRESS | | |

REPORT TO: Ben Nelson

INVOICE TO: Ben Nelson

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

**IMPORTANT:**

1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGR[illegible] STANDARD TERMS & CONDITIONS ON REVERSE.

DUPLI[illegible] COPY

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD


**NORTHERN LAKE SERVICE, INC.**

*Analytical Laboratory and Environmental Services*

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

*Wisconsin Lab Cert. No. 721026460*

*WI DATCP 105-000330*


NO. 73742

| | |
|---|---|
| CLIENT | URS |
| ADDRESS | 10200 Innovation Dr. Ste 500 |
| CITY / STATE / ZIP | Milwaukee / WI / 53226 |
| PROJECT DESCRIPTION / NO. | Xcel RI/FS 25688375 |
| QUOTATION NO. | |
| DNR FID # | |
| DNR LICENSE # | |
| CONTACT | Ben Nelson |
| PHONE | 414 831.4156 |
| PURCHASE ORDER NO. | |
| FAX | 414.831.4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

ANALYZE PER ORDER OF ANALYSIS

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

| ITEM NO. | NLS LAB. NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | VOC | SVOC | Cyanide | Tot. Metals | Dis. Metals | Hexachrome | | | | | | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | N | N | N | U | Y | Y | | | | | | |
| 1. | | ~~MW~~ BRA | 12-8-04 | | GW | 1 | | | | | | | | | | | Dis. Metals & |
| 2. | 357961 | NS-GW-MW05B-1204 | | 0945 | | X | X | X | X | X | X | | | | | | Hexachrome collected |
| 3. | 357962 | NS-GW-MW05C-1204 | | 1000 | | X | X | X | X | X | X | | | | | | after 1300 |
| 4. | 357963 | NS-GW-MW05A-1204 | | 1015 | | X | X | X | X | X | X | | | | | | |
| 5. | 357964 | NS-GW-MW06S-1204 | | 1030 | | X | X | X | X | X | X | | | | | | |
| 6. | 357965 | NS-GW-MW19A-1204 | | 1210 | | X | X | X | X | X | X | | | | | | MS/MSD |
| 7. | 357966 | NS-GW-MW19B-1204 | | 1230 | | X | X | X | X | X | X | | | | | | |
| 8. | 357967 | NS-WQ-Dup2-1204 | | 1245 | | X | X | X | X | X | X | | | | | | |
| 9. | 357968 | NS-WQ-TripBlank2-1204 | — | — | | X | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature) | CUSTODY SEAL NO. (IF ANY) | DATE/TIME 12-8-04 1500 |
| RELINQUISHED BY (signature) | RECEIVED BY (signature) | DATE/TIME |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT UPS | DATE/TIME |

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature) | DATE/TIME 12/9/04 | CONDITION Bad | TEMP. |
| COOLER # 48126 | REMARKS & OTHER INFORMATION | | |
| | WDNR FACILITY NUMBER | E-MAIL ADDRESS | |

REPORT TO: Ben Nelson

INVOICE TO: Ben Nelson

PRESERVATIVE:
N = nitric acid
NP = no preservative
S = sulfuric acid
OH = sodium hydroxide
Z = zinc acetate
M = methanol
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

**IMPORTANT:**

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2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

DUPLICATE COPY

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD


**NORTHERN LAKE SERVICE, INC.**

*Analytical Laboratory and Environmental Services*

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

*Wisconsin Lab Cert. No. 721026460*

*WI DATCP 105-000330*


NO. 73754

| | |
|---|---|
| CLIENT | URS Corp |
| ADDRESS | 10200 Innovation Dr. Ste. 500 |
| CITY / STATE / ZIP | Milwaukee / WI / 53226 |
| PROJECT DESCRIPTION / NO. | Xcel RI/FS 25688375 |
| QUOTATION NO. | |
| DNR FID # | |
| DNR LICENSE # | |
| CONTACT | Ben Nelson |
| PHONE | 414.831.4156 |
| PURCHASE ORDER NO. | |
| FAX | 414.831.4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

| ITEM NO. | NLS LAB. NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | ANALYZE PER ORDER OF ANALYSIS | VOC | SVOC | Cyanide | tot. Metals | Dis. Metals | Hexachrome | | | | | | | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 358144 | NS-GW-MW06A-1204 | 9-12-04 | 0845 | GW | | X | X | X | X | X | X | | | | | | | |
| 2. | 358145 | NS-GW-MW15B-1204 | | 0930 | | | X | X | X | X | X | X | | | | | | | |
| 3. | 358146 | NS GW-MW04-1204 | | 1100 | | | X | X | X | X | X | X | | | | | | | |
| 4. | 358147 | NS-GW-MW04A-1204 | | 1045 | | | X | X | X | X | X | X | | | | | | | |
| 5. | 358148 | NS-GW-MW-16-1204 | | 1345 | | | X | X | X | X | X | X | | | | | | | |
| 6. | 358149 | NS-GW-MW-02C-1204 | | 1200 | | | X | X | X | X | X | X | | | | | | | |
| 7. | 358150 | NS-GW-MW01-1204 | | 1215 | | | X | X | X | X | X | X | | | | | | | |
| 8. | 358151 | NS-GW-MW02BR-1204 | | 1145 | | | X | X | X | X | X | X | | | | | | | |
| 9. | 358152 | NS-WQ-TripBlank3-1204 | | — | | | X | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature) | CUSTODY SEAL NO. (IF ANY) | DATE/TIME 12-9-04 1530 |
| RELINQUISHED BY (signature) | RECEIVED BY (signature) | DATE/TIME |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT: UPS | DATE/TIME |

REPORT TO: Ben Nelson

INVOICE TO: Ben Nelson

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature): Debbie Wilson | DATE/TIME: 12/10/04 9:30 | CONDITION: Onice | TEMP. |
| COOLER # 48-52 48-101 | REMARKS & OTHER INFORMATION | | |
| WDNR FACILITY NUMBER | E-MAIL ADDRESS | | |

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

**IMPORTANT:**

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3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.

PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD


**NORTHERN LAKE SERVICE, INC.**
*Analytical Laboratory and Environmental Services*
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060
*Wisconsin Lab Cert. No. 721026460*
*WI DATCP 105-000330*


2 of 2

| | |
|---|---|
| CLIENT | URS Corp |
| ADDRESS | 10200 Innovation Dr. Ste. 500 |
| CITY / STATE / ZIP | Milwaukee / WI / 53226 |
| PROJECT DESCRIPTION / NO. | Xcel RI/FS 25688375 |
| QUOTATION NO. | |
| DNR FID # | |
| DNR LICENSE # | |
| CONTACT | Ben Nelson |
| PHONE | 414.831.4156 |
| PURCHASE ORDER NO. | |
| FAX | 414.831.4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

NO. 73784

| ITEM NO. | NLS LAB. NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | ANALYZE PER ORDER OF ANALYSIS | VOC | SVOC | Cyanide | Tot. Metals | Dis. Metals | Hexachrome | | | | | | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered. Indicate G or C if WW Sample is Grab or Composite. | | | | | N | N | N | N | Y | Y | | | | | | |
| 1. | 35[illegible] | NS-WQ-Dup 3-1204 | 12-10-04 | — | GW | | X | X | X | X | X | X | | | | | | |
| 2. | 35[illegible] | NS-WQ-Dup 4-1204 | 12-10-04 | — | GW | | X | X | X | X | X | X | | | | | | |
| 3. | | ~~Trip~~ BRN | | | | | | | | | | | | | | | | |
| 4. | 35[illegible]7 | NS-WQ-Trip Blank | 4-1204 | — | | | X | | | | | | | | | | | |
| 5. | | | | | | | | | | | | | | | | | | |
| 6. | | | | | | | | | | | | | | | | | | |
| 7. | | | | | | | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature) | CUSTODY SEAL NO. (IF ANY) | DATE/TIME 12-10-04 1420 |
| RELINQUISHED BY (signature) | RECEIVED BY (signature) | DATE/TIME 12-10-04 14:20 |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT: NLS Courier | DATE/TIME |

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature) | DATE/TIME 12/10/04 15:15 | CONDITION On Ice | TEMP. |
| COOLER # | REMARKS & OTHER INFORMATION | | |
| | WDNR FACILITY NUMBER | E-MAIL ADDRESS | |

REPORT TO: Ben Nelson

INVOICE TO: Ben Nelson

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

**IMPORTANT:**
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2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

CLIENT COPY

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD


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*Analytical Laboratory and Environmental Services*

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

*Wisconsin Lab Cert. No. 721026460*

*WI DATCP 105-000330*


1 of 2

NO. 73751

| | |
|---|---|
| CLIENT | URS Corp. |
| ADDRESS | 10200 Innovation Dr Ste 500 |
| CITY / STATE / ZIP | Milwaukee WI 53226 |
| PROJECT DESCRIPTION / NO. | Xcel RI/FS 25688375 |
| QUOTATION NO. | |
| DNR FID # | |
| DNR LICENSE # | |
| CONTACT | Ben Nelson |
| PHONE | 414.831.4156 |
| PURCHASE ORDER NO. | |
| FAX | 414.831.4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

ANALYZE PER ORDER OF ANALYSIS

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

| ITEM NO. | NLS LAB. NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | | VOC | SVOC | Cyanide | Tot. Metals | Dis. Metals | Hexachrome | | | | | | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | N | N | N | N | Y | Y | | | | | | |
| 1. | [illegible] | NS-GW-MW22A-1204 | 12-10-04 | 0830 | GW | | X | X | X | X | X | X | | | | | | |
| 2. | [illegible] | NS-GW-MW22B-1204 | | 0845 | | | X | X | X | X | X | X | | | | | | |
| 3. | [illegible] | NS-GW-MW18A-1204 | | 0915 | | | X | X | X | X | X | X | | | | | | |
| 4. | [illegible] | NS-GW-MW18B-1204 | | 0920 | | | X | X | X | X | X | X | | | | | | |
| 5. | [illegible] | NS-GW-MW15-1204 | | 0930 | | | X | X | X | X | X | X | | | | | | |
| 6. | [illegible] | NS-GW-MW08A-1204 | | 0945 | | | X | X | X | X | X | X | | | | | | |
| 7. | [illegible] | NS-GW-MW08-1204 | | 0940 | | | X | X | X | X | X | X | | | | | | |
| 8. | [illegible] | NS-GW-MW17-1204 | | 1030 | | | X | X | X | X | X | X | | | | | | |
| 9. | [illegible] | NS-GWMW17A-1204 | | 1045 | | | X | X | X | X | X | X | | | | | | |
| 10. | | | | | | | | | | | | | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature) | CUSTODY SEAL NO. (IF ANY) | DATE/TIME 12-10-04 1420 |
| RELINQUISHED BY (signature) | RECEIVED BY (signature) | DATE/TIME |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT: NLS Courier | DATE/TIME |

REPORT TO: Ben Nelson

INVOICE TO: Ben Nelson

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature): Debbie Weber | DATE/TIME 12/10/04 15:15 | CONDITION on ice | TEMP. |
| COOLER # 48-101, 48-126, 48-131 | REMARKS & OTHER INFORMATION | | |
| | WDNR FACILITY NUMBER | E-MAIL ADDRESS | |

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

**IMPORTANT:**

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2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGR[illegible] STANDARD TERMS & CONDITIONS ON REVERSE.

CLIEN[illegible] COPY

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD


**NORTHERN LAKE SERVICE, INC.**

*Analytical Laboratory and Environmental Services*

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

*Wisconsin Lab Cert. No. 721026460*

*WI DATCP 105-000330*


| | |
|---|---|
| CLIENT | URS |
| ADDRESS | W220 Innovation Dr. Ste 500 |
| CITY / STATE / ZIP | Milwaukee WI 53226 |
| PROJECT DESCRIPTION / NO. | Kerr McGee 25188372 |
| QUOTATION NO. | |
| DNR FID # | |
| DNR LICENSE # | |
| CONTACT | Ben Nelson |
| PHONE | 414.831.4156 |
| PURCHASE ORDER NO. | |
| FAX | 414.831.4201 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

NO. 73749

| ITEM NO. | NLS LAB. NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | ANALYZE PER ORDER OF ANALYSIS: VOC | SVOC | 1,4-Dioxane | Hexane | Fe, Mn, Methane | Diss. Metals | Hexachrome | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 358425 | NS-GW-AW-12 1204 | 12-13-04 | 1415 | GW | X | X | X | | X | X | X | |
| 2. | 358426 | NS-GW-AW-01 1204 | " | 1435 | GW | X | X | X | X | X | X | X | |
| 3. | 358427 | NS-GW-Trip Blank 5-12-04 | " | — | | X | | | | X | | | |
| 4. | 358428 | NS-GW-Dup 5-1204 | " | — | GW | X | X | X | X | X | X | X | |
| 5. | | | | | | | | | | | | | |
| 6. | | | | | | | | | | | | | |
| 7. | | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature) | CUSTODY SEAL NO. (IF ANY) | DATE/TIME 12-13-04 1510 |
| RELINQUISHED BY (signature) | RECEIVED BY (signature) | DATE/TIME |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT: UPS | DATE/TIME |

REPORT TO: Ben Nelson

INVOICE TO: Ben Nelson

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature) | DATE/TIME 12-14-04 09:30 | CONDITION OK/NO | TEMP. |
| COOLER # 48-9 | REMARKS & OTHER INFORMATION: UPS | | |
| WDNR FACILITY NUMBER | E-MAIL ADDRESS | | |

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

**IMPORTANT:**

1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

DUPLICATE COPY

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD


**NORTHERN LAKE SERVICE, INC.**

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Tel: (715) 478-2777 • Fax: (715) 478-3060

*Wisconsin Lab Cert. No. 721026460*

*WI DATCP 105-000330*


NO. 73756

| | |
|---|---|
| CLIENT | NLS |
| ADDRESS | 10300 INNOVATION DR STE 500 |
| CITY / STATE / ZIP | MILWAUKEE / WI / 53226 |
| PROJECT DESCRIPTION / NO. | XCEL RIFS 256885375 |
| QUOTATION NO. | |
| DNR FID # | |
| DNR LICENSE # | |
| CONTACT | BEN NELSON |
| PHONE | 414-831-4156 |
| PURCHASE ORDER NO. | |
| FAX | 414-831-4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS

| ITEM NO. | LAB I.D. NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | VOC | SVOC | CYANIDE | Tot. METALS | Diss. METALS | Cr+6 | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Y | Y | |
| 1. | 358578 | NS-GW-MW-02(NET)-1204 | 12-14-04 | 0850 | GW | X | X | X | X | X | X | Hexachrome collected |
| 2. | 358579 | NS-GW-MW-02A(NET)-1204 | | 0845 | | X | X | X | X | X | X | after 13:00 |
| 3. | 358580 | NS-GW-MW-03B(NET)-1204 | | 0915 | | X | X | X | X | X | X | ↓ |
| 4. | 358581 | NS-GW-MW-01(NET)-1204 | | 1030 | | X | X | X | X | X | X | |
| 5. | 358582 | NS-GW-MW-23A-1204 | | 1300 | | X | X | X | X | X | X | |
| 6. | 358583 | NS-GW-MW-23B-1204 | | 1315 | | X | X | X | X | X | X | |
| 7. | 358584 | NS-GW-TW1-2-1204 | | 1415 | | X | X | X | X | X | X | |
| 8. | 358585 | NS-WG-DUP-1204 | ↓ | — | ↓ | X | X | X | X | X | X | |
| 9. | 358586 | NS-WG-TRIPBLANK-1204 | — | — | DI | X | | | | | | |
| 10. | | | | | | | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature) HEIDI VIGIC / BEN NELSON | CUSTODY SEAL NO. (IF ANY) | DATE/TIME |
| RELINQUISHED BY (signature) | RECEIVED BY (signature) | DATE/TIME |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT | DATE/TIME |

REPORT TO: BEN NELSON

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature) | DATE/TIME 12-15-04 9:30 | CONDITION ON ICE | TEMP. |
| COOLER # 118 (48-121) | REMARKS & OTHER INFORMATION: UPS | | |
| | WDNR FACILITY NUMBER | E-MAIL ADDRESS | |

INVOICE TO: BEN NELSON

PRESERVATIVE
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

**IMPORTANT**

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3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD


**NORTHERN LAKE SERVICE, INC.**

*Analytical Laboratory and Environmental Services*

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

*Wisconsin Lab Cert. No. 721026460*

*WI DATCP 105-000330*


NO. 73745

| | |
|---|---|
| CLIENT | CCRS |
| ADDRESS | 12300 INNOVATION DR. STE 500 |
| CITY / STATE / ZIP | MILWAUKEE WI 53226 |
| PROJECT DESCRIPTION / NO. | XCEL RI/FS 256883 75 |
| QUOTATION NO. | |
| DNR FID # | |
| DNR LICENSE # | |
| CONTACT | Ben Nelson |
| PHONE | 414-831-4156 |
| PURCHASE ORDER NO. | |
| FAX | 414-831-4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

ANALYZE PER ORDER OF ANALYSIS

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

| ITEM NO. | NLS ID NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | VOC | SVOC | CYANIDE | TOT. METALS | DIS. METALS | Cr+6 | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | N | N | N | N | Y | Y | |
| 1. | 358642 | NS-GW-MW-7R-1204 | 12-15-04 | 0900 | GW | X | X | X | X | X | X | Dis. Metals |
| 2. | 358643 | NS-GW-MW-03(NET)-1204 | | 1000 | | X | X | X | X | X | X | & Cr+6 |
| 3. | 358644 | NS-GW-MW-7A-1204 | | 1030 | | X | X | X | X | X | X | Collected |
| 4. | 358645 | NS-GW-MW-7B-1204 | | 1100 | | X | X | X | X | X | X | after 1300 NLS |
| 5. | 358646 | NS-GW-MW-6-1204 | | 1115 | | X | X | X | X | X | X | ! |
| 6. | 358647 | NS-GW-MW-6A-1204 | | 1130 | | X | X | X | X | X | X | MS/MSD |
| 7. | 358648 | NS-GW-MW-25-1204 | | 1330 | | X | X | X | X | X | X | |
| 8. | 358649 | NS-GW-MW-25A-1204 | | 1345 | | X | X | X | X | X | X | |
| 9. | 358650 | NS-GW-MW-24-1204 | | 1510 | | X | X | X | X | X | X | |
| 10. | 358651 | NS-GW-MW-24A-1204 | | 1600 | | X | X | X | X | X | X | |

| | | |
|---|---|---|
| COLLECTED BY (signature) | CUSTODY SEAL NO. (IF ANY) | DATE/TIME |
| HEIDI VIGIL / BETS NELSON | | |
| RELINQUISHED BY (signature) | RECEIVED BY (signature) | DATE/TIME |
| Heidi Vigil | | 12/15/04 1630 |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT | DATE/TIME |

REPORT TO: Ben Nelson

INVOICE TO: Ben Nelson

| RECEIVED AT NLS BY (signature) | DATE/TIME | CONDITION | TEMP. |
|---|---|---|---|
| | | | |

COOLER # 48-152

REMARKS & OTHER INFORMATION

WDNR FACILITY NUMBER

E-MAIL ADDRESS

PRESERVATIVE: NP = no preservative; S = sulfuric acid; N = nitric acid; Z = zinc acetate; M = methanol; OH = sodium hydroxide; HA = hydrochloric & ascorbic acid; H = hydrochloric acid

**IMPORTANT:**

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ORIGINAL COPY

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD


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Tel: (715) 478-2777 • Fax: (715) 478-3060

*Wisconsin Lab Cert. No. 721026460*

*WI DATCP 105-000330*


NO. 73747

| | |
|---|---|
| CLIENT | NRS |
| ADDRESS | 10200 INNOVATION DR STE 500 |
| CITY / STATE / ZIP | MILWAUKEE WI 53226 |
| PROJECT DESCRIPTION / NO. | XCEL RI/FS 25688375 |
| QUOTATION NO. | |
| DNR FID # | |
| DNR LICENSE # | |
| CONTACT | Ben Nelson |
| PHONE | 414-831-4152 |
| PURCHASE ORDER NO. | |
| FAX | 414-831-4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

ANALYZE PER ORDER OF ANALYSIS

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

| ITEM NO. | NLS LAB NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | VOC | SVOC | CYANIDE | DT. Metals | Diss. Metals | Cr+6 | | | | | | | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Y | Y | | | | | | | |
| 1. | 358652 | NS-WQ-DUP7-1204 | 12/15/04 | — | GW | X | X | X | X | X | X | | | | | | | Dis. Metals & Cr+6 collected after 1300hrs |
| 2. | 358653 | NS-WQ-TRIPBLANK7-1204 | — | — | DI | X | | | | | | | | | | | | |
| 3. | | | | | | | | | | | | | | | | | | |
| 4. | | | | | | | | | | | | | | | | | | |
| 5. | | | | | | | | | | | | | | | | | | |
| 6. | | | | | | | | | | | | | | | | | | |
| 7. | | | | | | | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature) | CUSTODY SEAL NO. (IF ANY) | DATE/TIME |
| BEN NELSON / HEIDI VIGIL | | |
| RELINQUISHED BY (signature) | RECEIVED BY (signature) | DATE/TIME |
| Heidi Vigil | | 12/15/04 1630 |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT | DATE/TIME |

REPORT TO: Ben Nelson

INVOICE TO: Ben Nelson

| RECEIVED AT NLS BY (signature) | DATE/TIME | CONDITION | TEMP. |
|---|---|---|---|
| COOLER # 48-175 | REMARKS & OTHER INFORMATION | | |
| | WDNR FACILITY NUMBER | E-MAIL ADDRESS | |

PRESERVATIVE: N = nitric acid; OH = sodium hydroxide; NP = no preservative; Z = zinc acetate; HA = hydrochloric & ascorbic acid; S = sulfuric acid; M = methanol; H = hydrochloric acid

**IMPORTANT:**

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# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

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Tel: (715) 478-2777 • Fax: (715) 478-3060

*Wisconsin Lab Cert. No. 721026460*
*WI DATCP 105-000330*

| | |
|---|---|
| CLIENT: URS | |
| ADDRESS: 10200 INNOVATION DR. STE 500 | |
| CITY: MILWAUKEE STATE: W ZIP: 53226 | |
| PROJECT DESCRIPTION / NO.: Xcel RI/FS 25688375 | QUOTATION NO.: |
| DNR FID #: | DNR LICENSE #: |
| CONTACT: Ben Nelson | PHONE: 414-831-4156 |
| PURCHASE ORDER NO.: | FAX: 414-831-4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

NO. 73744

| ITEM NO. | NLS LAB. NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | ANALYZE PER ORDER OF ANALYSIS | VOC | SVOC | CYANIDE | TOT. Metals | DIS. Metals | Cr+6 | | | | | | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | N | N | N | N | Y | Y | | | | | | |
| 1. | 358819 | NS-GW-MW10-1204 | 12/16/04 | 0630 | GW | | X | X | X | X | X | X | | | | | | |
| 2. | 358820 | NS-GW-MW10A-1204 | | 0645 | | | X | X | X | X | X | X | | | | | | |
| 3. | 358821 | NS-GW-MW20A-1204 | | 0715 | | | X | X | X | X | X | X | | | | | | |
| 4. | 358822 | NS-GW-MW21A-1204 | | 0745 | | | X | X | X | X | X | X | | | | | | |
| 5. | 358823 | NS-GW-MW21B-1204 | | 0800 | | | X | X | X | X | X | X | | | | | | |
| 6. | 358824 | NS-GW-TW3-1204 | | 0845 | | | X | X | X | X | X | X | | | | | | |
| 7 | 358825 | NS-WQ-TRIPBLANK8-1204 | — | — | DI | | X | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature): HEIDI VIGIL / BEN NELSON | CUSTODY SEAL NO. (IF ANY): | DATE/TIME: 12/16/04 |
| RELINQUISHED BY (signature): Heidi Vigil | RECEIVED BY (signature): [signature] | DATE/TIME: |
| DISPATCHED BY (signature): | METHOD OF TRANSPORT: NLS Courier | DATE/TIME: 12/16/04 1710 |

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature): [signature] | DATE/TIME: 12/16/04 15:00 | CONDITION: on ice | TEMP. |
| COOLER #: 48-113, 48-83 | REMARKS & OTHER INFORMATION: R.T. Hand del. | | |
| | WDNR FACILITY NUMBER: | E-MAIL ADDRESS: | |

REPORT TO: Ben Nelson

INVOICE TO: Ben Nelson

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

**IMPORTANT:**
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ORIGINAL COPY

# ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 87912**
**Project Description: Xcel RI/FS 25688375**
**Project Title:** **Template: SAT2NSP** **Printed: 05/03/2005 15:27**

**Sample: 364252** **NS-GW-MW6-0305** **Collected: 03/15/05** **Analyzed: 03/18/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | ND | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 97% | | | | |
| Toluene-d8 (SURR**) | 99% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 95% | | | | |

**Sample: 364253** **NS-GW-MW6A-0305** **Collected: 03/15/05** **Analyzed: 03/18/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 2.9 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 105% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

**Sample: 364254** **NS-GW-TW13-0305** **Collected: 03/15/05** **Analyzed: 03/18/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 5000 | ug/L | 500 | 71 | 240 |
| sec-Butylbenzene | ND | ug/L | 500 | 68 | 230 |
| Ethylbenzene | 2200 | ug/L | 500 | 84 | 280 |
| ortho-Xylene | 710 | ug/L | 500 | 110 | 360 |
| Styrene | ND | ug/L | 500 | 73 | 240 |
| Toluene | 3500 | ug/L | 500 | 120 | 420 |
| 1,2,4-Trimethylbenzene | 400 | ug/L | 500 | 78 | 260 |
| 1,3,5-Trimethylbenzene | [120] | ug/L | 500 | 74 | 250 |
| meta,para-Xylene | 1600 | ug/L | 500 | 170 | 580 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 500 | 100 | 340 |
| Dibromofluoromethane (SURR**) | 101% | | | | |
| Toluene-d8 (SURR**) | 101% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 97% | | | | |

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Water (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 87912**
**Project Description: Xcel RI/FS 25688375**
**Project Title:** **Template: SAT2NSP** **Printed: 05/03/2005 15:27**

**Sample: 364255** **NS-GW-MW13A-0305** **Collected: 03/15/05** **Analyzed: 03/18/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 47000 | ug/L | 4000 | 570 | 1900 |
| sec-Butylbenzene | ND | ug/L | 4000 | 540 | 1800 |
| Ethylbenzene | [930] | ug/L | 4000 | 670 | 2200 |
| ortho-Xylene | [1700] | ug/L | 4000 | 860 | 2900 |
| Styrene | 4800 | ug/L | 4000 | 580 | 1900 |
| Toluene | 25000 | ug/L | 4000 | 1000 | 3300 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 4000 | 620 | 2100 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 4000 | 590 | 2000 |
| meta,para-Xylene | [3400] | ug/L | 4000 | 1400 | 4600 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 4000 | 820 | 2700 |
| Dibromofluoromethane (SURR**) | 97% | | | | |
| Toluene-d8 (SURR**) | 100% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

**Sample: 364256** **NS-GW-MW13C-0305** **Collected: 03/15/05** **Analyzed: 03/18/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 2.4 | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | [0.40] | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 9.1 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 92% | | | | |
| Toluene-d8 (SURR**) | 92% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 90% | | | | |

**Sample: 364257** **NS-GW-MW13D-0305** **Collected: 03/15/05** **Analyzed: 03/18/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 8.1 | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | [0.22] | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | [0.38] | ug/L | 1 | 0.22 | 0.72 |
| Styrene | 0.93 | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 7.3 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | [0.77] | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 96% | | | | |
| Toluene-d8 (SURR**) | 99% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 93% | | | | |

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 87912**
**Project Description: Xcel RI/FS 25688375**
**Project Title:** **Template: SAT2NSP** **Printed: 05/03/2005 15:27**

**Sample: 364258** **NS-GW-MW3-0305** **Collected: 03/15/05** **Analyzed: 03/18/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 4.8 | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | [0.15] | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | 2.2 | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | 2.5 | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 8.2 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | [0.27] | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | [0.64] | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | 2.1 | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 99% | | | | |
| Toluene-d8 (SURR**) | 102% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 95% | | | | |

**Sample: 364259** **NS-WQ-Dup1-0305** **Collected: 03/15/05** **Analyzed: 03/18/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 49000 | ug/L | 4000 | 570 | 1900 |
| sec-Butylbenzene | ND | ug/L | 4000 | 540 | 1800 |
| Ethylbenzene | [940] | ug/L | 4000 | 670 | 2200 |
| ortho-Xylene | [1800] | ug/L | 4000 | 860 | 2900 |
| Styrene | 5300 | ug/L | 4000 | 580 | 1900 |
| Toluene | 26000 | ug/L | 4000 | 1000 | 3300 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 4000 | 620 | 2100 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 4000 | 590 | 2000 |
| meta,para-Xylene | [3500] | ug/L | 4000 | 1400 | 4600 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 4000 | 820 | 2700 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 101% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

**Sample: 364260** **NS-WQ-Trip Blank1-0305** **Collected: 03/15/05** **Analyzed: 03/18/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | ND | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 102% | | | | |
| Toluene-d8 (SURR**) | 100% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 95% | | | | |

**Customer: URS Corporation (Milwaukee)** **NLS Project: 87912**
**Project Description: Xcel RI/FS 25688375**
**Project Title:** **Template: SAT2NSP** **Printed: 05/03/2005 15:27**

** Surrogates are used to evaluate a method's Quality Control.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 87912**

**Project Description: Xcel RI/FS 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 05/03/2005 15:27**

**Sample: 364253** **NS-GW-MW6A-0305** **Collected: 03/15/05** **Analyzed: 03/24/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| 2-Fluorophenol (SURR**) | 36% | | | | |
| Phenol-d5 (SURR**) | 25% | | | | |
| Nitrobenzene-d5 (SURR**) | 65% | | | | |
| 2-Fluorobiphenyl (SURR**) | 72% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 90% | | | | |
| Terphenyl-d14 (SURR**) | 65% | | | | |

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 87912**
**Project Description: Xcel RI/FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 05/03/2005 15:27**

**Sample: 364254** **NS-GW-TW13-0305** **Collected: 03/15/05** **Analyzed: 03/24/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 210 | 710 |
| Acenaphthylene | ND | ug/L | 200 | 210 | 700 |
| Anthracene | ND | ug/L | 200 | 200 | 660 |
| Benzo[a]anthracene | ND | ug/L | 200 | 180 | 610 |
| Benzo[a]pyrene | ND | ug/L | 200 | 210 | 690 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 180 | 610 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 200 | 670 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 230 | 780 |
| Chrysene | ND | ug/L | 200 | 200 | 670 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 200 | 660 |
| Dibenzofuran | ND | ug/L | 200 | 220 | 730 |
| Fluoranthene | ND | ug/L | 200 | 190 | 650 |
| Fluorene | ND | ug/L | 200 | 200 | 660 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 190 | 630 |
| 1-Methylnaphthalene | [640] | ug/L | 200 | 210 | 700 |
| 2-Methylnaphthalene | 1000 | ug/L | 200 | 210 | 710 |
| 2-Methylphenol | ND | ug/L | 200 | 180 | 600 |
| 3 & 4-Methylphenol | ND | ug/L | 200 | 290 | 960 |
| Naphthalene | 5900 | ug/L | 200 | 210 | 710 |
| Phenanthrene | ND | ug/L | 200 | 200 | 650 |
| Phenol | ND | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 190 | 620 |
| Benzo[e]pyrene | ND | ug/L | 200 | 210 | 690 |
| 2-Fluorophenol (SURR**) | 35% | | | | |
| Phenol-d5 (SURR**) | 22% | | | | |
| Nitrobenzene-d5 (SURR**) | 68% | | | | |
| 2-Fluorobiphenyl (SURR**) | 86% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 77% | | | | |
| Terphenyl-d14 (SURR**) | 83% | | | | |

A 10 fold dilution was performed during extraction.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 87912**

**Project Description: Xcel RI/FS 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 05/03/2005 15:27**

**Sample: 364255** **NS-GW-MW13A-0305** **Collected: 03/15/05** **Analyzed: 03/24/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 210 | 710 |
| Acenaphthylene | [330] | ug/L | 200 | 210 | 700 |
| Anthracene | ND | ug/L | 200 | 200 | 660 |
| Benzo[a]anthracene | ND | ug/L | 200 | 180 | 610 |
| Benzo[a]pyrene | ND | ug/L | 200 | 210 | 690 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 180 | 610 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 200 | 670 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 230 | 780 |
| Chrysene | ND | ug/L | 200 | 200 | 670 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 200 | 660 |
| Dibenzofuran | ND | ug/L | 200 | 220 | 730 |
| Fluoranthene | ND | ug/L | 200 | 190 | 650 |
| Fluorene | ND | ug/L | 200 | 200 | 660 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 190 | 630 |
| 1-Methylnaphthalene | 800 | ug/L | 200 | 210 | 700 |
| 2-Methylnaphthalene | 1100 | ug/L | 200 | 210 | 710 |
| 2-Methylphenol | 610 | ug/L | 200 | 180 | 600 |
| 3 & 4-Methylphenol | [800] | ug/L | 200 | 290 | 960 |
| Naphthalene | 5900 | ug/L | 200 | 210 | 710 |
| Phenanthrene | ND | ug/L | 200 | 200 | 650 |
| Phenol | [110] | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 190 | 620 |
| Benzo[e]pyrene | ND | ug/L | 200 | 210 | 690 |
| 2-Fluorophenol (SURR**) | 36% | | | | |
| Phenol-d5 (SURR**) | 21% | | | | |
| Nitrobenzene-d5 (SURR**) | 64% | | | | |
| 2-Fluorobiphenyl (SURR**) | 84% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 73% | | | | |
| Terphenyl-d14 (SURR**) | 78% | | | | |

A 10 fold dilution was performed during extraction.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 87912**
**Project Description: Xcel RI/FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 05/03/2005 15:27**

**Sample: 364256** **NS-GW-MW13C-0305** **Collected: 03/15/05** **Analyzed: 03/24/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | [1.2] | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | [1.3] | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| 2-Fluorophenol (SURR**) | 36% | | | | |
| Phenol-d5 (SURR**) | 23% | | | | |
| Nitrobenzene-d5 (SURR**) | 64% | | | | |
| 2-Fluorobiphenyl (SURR**) | 71% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 87% | | | | |
| Terphenyl-d14 (SURR**) | 68% | | | | |

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 87912**
**Project Description: Xcel RI/FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 05/03/2005 15:27**

**Sample: 364257** **NS-GW-MW13D-0305** **Collected: 03/15/05** **Analyzed: 03/24/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | [1.2] | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| 2-Fluorophenol (SURR**) | 37% | | | | |
| Phenol-d5 (SURR**) | 23% | | | | |
| Nitrobenzene-d5 (SURR**) | 63% | | | | |
| 2-Fluorobiphenyl (SURR**) | 69% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 86% | | | | |
| Terphenyl-d14 (SURR**) | 65% | | | | |

**Customer: URS Corporation (Milwaukee)** **NLS Project: 87912**
**Project Description: Xcel RI/FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 05/03/2005 15:27**

**Sample: 364258** **NS-GW-MW3-0305** **Collected: 03/15/05** **Analyzed: 03/24/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 15 | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | [2.3] | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | [3.0] | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | [1.5] | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | 6.7 | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | [1.4] | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| 2-Fluorophenol (SURR**) | 41% | | | | |
| Phenol-d5 (SURR**) | 30% | | | | |
| Nitrobenzene-d5 (SURR**) | 68% | | | | |
| 2-Fluorobiphenyl (SURR**) | 75% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 98% | | | | |
| Terphenyl-d14 (SURR**) | 58% | | | | |

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 87912**
**Project Description: Xcel RI/FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 05/03/2005 15:27**

**Sample: 364259** **NS-WQ-Dup1-0305** **Collected: 03/15/05** **Analyzed: 03/24/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 210 | 710 |
| Acenaphthylene | [340] | ug/L | 200 | 210 | 700 |
| Anthracene | ND | ug/L | 200 | 200 | 660 |
| Benzo[a]anthracene | ND | ug/L | 200 | 180 | 610 |
| Benzo[a]pyrene | ND | ug/L | 200 | 210 | 690 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 180 | 610 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 200 | 670 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 230 | 780 |
| Chrysene | ND | ug/L | 200 | 200 | 670 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 200 | 660 |
| Dibenzofuran | ND | ug/L | 200 | 220 | 730 |
| Fluoranthene | ND | ug/L | 200 | 190 | 650 |
| Fluorene | ND | ug/L | 200 | 200 | 660 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 190 | 630 |
| 1-Methylnaphthalene | 820 | ug/L | 200 | 210 | 700 |
| 2-Methylnaphthalene | 1200 | ug/L | 200 | 210 | 710 |
| 2-Methylphenol | 630 | ug/L | 200 | 180 | 600 |
| 3 & 4-Methylphenol | [810] | ug/L | 200 | 290 | 960 |
| Naphthalene | 6100 | ug/L | 200 | 210 | 710 |
| Phenanthrene | ND | ug/L | 200 | 200 | 650 |
| Phenol | [120] | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 190 | 620 |
| Benzo[e]pyrene | ND | ug/L | 200 | 210 | 690 |
| 2-Fluorophenol (SURR**) | 37% | | | | |
| Phenol-d5 (SURR**) | 25% | | | | |
| Nitrobenzene-d5 (SURR**) | 71% | | | | |
| 2-Fluorobiphenyl (SURR**) | 88% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 92% | | | | |
| Terphenyl-d14 (SURR**) | 85% | | | | |

A 10 fold dilution was performed during extraction.

** Surrogates are used to evaluate a method's Quality Control.

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



**Client:** URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

**NLS Project:** 87912
**NLS Customer:** 91206

Fax: 414 831 4101 Phone: 414 831 4100

**Project:** Xcel RI/FS 25688375

**NS-GW-MW6-0305 NLS ID: 364252**
Ref. Line 1 COC 75703 NS-GW-MW6-0305 Matrix: GW
Collected: 03/15/05 13:00 Received: 03/16/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 03/18/05 | SW846 8260 | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 87912
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RI/FS 25688375

**NS-GW-MW6A-0305 NLS ID: 364253**
Ref. Line 2 COC 75703 NS-GW-MW6A-0305 Matrix: GW
Collected: 03/15/05 13:05 Received: 03/16/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.010 | 0.020 | 03/31/05 | SW846 6010 | 721026460 |
| Aluminum, tot. recoverable as Al by ICP-Trace | [0.012] | mg/L | 1 | 0.010 | 0.020 | 04/01/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | [3.7] | ug/L | 1 | 2.0 | 7.1 | 03/23/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [4.4] | ug/L | 1 | 2.0 | 7.1 | 03/23/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [3.8] | ug/L | 1 | 1.6 | 5.6 | 03/24/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [4.1] | ug/L | 1 | 1.6 | 5.6 | 03/24/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 710 | ug/L | 1 | 2.5* | 5.0 | 03/31/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 690 | ug/L | 1 | 2.5* | 5.0 | 03/31/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 03/31/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 03/31/05 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 03/31/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/01/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 280 | mg/L | 1 | 0.15* | 0.30 | 03/31/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 280 | mg/L | 1 | 0.15* | 0.30 | 04/01/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 03/16/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 04/04/05 | Calc. | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | 1.6 | ug/L | 1 | 0.45 | 1.4 | 03/31/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | 3.0 | ug/L | 1 | 0.45 | 1.4 | 03/31/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | [1.1] | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | [2.6] | ug/L | 1 | 1.3 | 4.0 | 03/31/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | [3.0] | ug/L | 1 | 1.3 | 4.0 | 04/02/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 03/22/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 03/31/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 03/31/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [2.0] | ug/L | 1 | 1.0 | 3.3 | 03/31/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/01/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 120 | mg/L | 1 | 0.15* | 0.30 | 03/31/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 130 | mg/L | 1 | 0.15* | 0.30 | 03/31/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 33 | ug/L | 1 | 1.0* | 2.0 | 04/01/05 | SW846 6010 | 721026460 |
| | *Batch 22 prep blank was contaminated for Mn at 6.327 ug/L.* | | | | | | | |
| Manganese, tot. recoverable as Mn by ICP-Trace | 39 | ug/L | 1 | 1.0* | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/24/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/24/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.6] | ug/L | 1 | 0.71 | 2.3 | 03/31/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | 3.0 | ug/L | 1 | 0.71 | 2.3 | 04/01/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 7.6 | mg/L | 1 | 0.36 | 1.3 | 04/01/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 8.2 | mg/L | 1 | 0.36 | 1.3 | 04/01/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 03/23/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | [2.8] | ug/L | 1 | 1.9 | 6.4 | 03/23/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | [1.6] | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 320 | mg/L | 1 | 0.033 | 0.12 | 04/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 330 | mg/L | 1 | 0.033 | 0.12 | 04/01/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 03/22/05 | SW846 7841 | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 87912
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RI/FS 25688375

**NS-GW-MW6A-0305 NLS ID: 364253**
Ref. Line 2 COC 75703 NS-GW-MW6A-0305 Matrix: GW
Collected: 03/15/05 13:05 Received: 03/16/05

| Pararneter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 03/22/05 | SW846 7841 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 9.4 | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | 10 | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 03/31/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 03/31/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/17/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/17/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/17/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/17/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/18/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/18/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 03/24/05 | SW846 8270C | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 87912
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RI/FS 25688375

**NS-GW-TW13-0305 NLS ID: 364254**
Ref. Line 3 COC 75703 NS-GW-TW13-0305 Matrix: GW
Collected: 03/15/05 13:30 Received: 03/16/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | 0.035 | mg/L | 1 | 0.010 | 0.020 | 04/01/05 | SW846 6010 | 721026460 |
| | Batch 22 prep blank was contaminated for Al at 0.037 mg/L. | | | | | | | |
| Aluminum, tot. recoverable as Al by ICP-Trace | 0.095 | mg/L | 1 | 0.010 | 0.020 | 04/01/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | [2.2] | ug/L | 1 | 2.0 | 7.1 | 03/23/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [2.4] | ug/L | 1 | 2.0 | 7.1 | 03/23/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [4.1] | ug/L | 1 | 1.6 | 5.6 | 03/24/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [4.7] | ug/L | 1 | 1.6 | 5.6 | 03/24/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 220 | ug/L | 1 | 2.5* | 5.0 | 03/31/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 210 | ug/L | 1 | 2.5* | 5.0 | 03/31/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 03/31/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 03/31/05 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 03/31/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/01/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 190 | mg/L | 1 | 0.15* | 0.30 | 03/31/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 180 | mg/L | 1 | 0.15* | 0.30 | 04/01/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 32 | ug/L | 1 | 3.6* | | 03/16/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | ug/L | | 3.6* | | 04/04/05 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | |
| Chromium, dis. as Cr by ICP-Trace | [1.2] | ug/L | 1 | 0.45 | 1.4 | 03/31/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | 1.5 | ug/L | 1 | 0.45 | 1.4 | 03/31/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | [1.2] | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 03/31/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | [1.5] | ug/L | 1 | 1.3 | 4.0 | 04/02/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | 0.14 | mg/L | 1 | 0.0050 | 0.015 | 03/22/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 1.2 | mg/L | 1 | 0.033 | 0.10 | 03/31/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | 1.6 | mg/L | 1 | 0.033 | 0.10 | 03/31/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 03/31/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | [1.3] | ug/L | 1 | 1.0 | 3.3 | 04/01/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 54 | mg/L | 1 | 0.15* | 0.30 | 03/31/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 56 | mg/L | 1 | 0.15* | 0.30 | 03/31/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 760 | ug/L | 1 | 1.0* | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 790 | ug/L | 1 | 1.0* | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/24/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/24/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.6] | ug/L | 1 | 0.71 | 2.3 | 03/31/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | [2.2] | ug/L | 1 | 0.71 | 2.3 | 04/01/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 11 | mg/L | 1 | 0.36 | 1.3 | 04/01/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 11 | mg/L | 1 | 0.36 | 1.3 | 04/01/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 03/23/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 03/23/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | [1.2] | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | [1.2] | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 240 | mg/L | 1 | 0.033 | 0.12 | 04/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 240 | mg/L | 1 | 0.033 | 0.12 | 04/01/05 | SW846 6010 | 721026460 |

NORTHERN [redacted] SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 87912
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RI/FS 25688375

**NS-GW-TW13-0305 NLS ID: 364254**
Ref. Line 3 COC 75703 NS-GW-TW13-0305 Matrix: GW
Collected: 03/15/05 13:30 Received: 03/16/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 03/22/05 | SW846 7841 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 03/22/05 | SW846 7841 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [0.89] | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | 2.0 | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 03/31/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | 37 | ug/L | 1 | 5.0* | 10 | 03/31/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/17/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/17/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/17/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/17/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/18/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/18/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 03/24/05 | SW846 8270C | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 87912**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RI/FS 25688375**

**NS-GW-MW13A-0305 NLS ID: 364255**
Ref. Line 4 COC 75703 NS-GW-MW13A-0305 Matrix: GW
Collected: 03/15/05 13:40 Received: 03/16/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.010 | 0.020 | 03/31/05 | SW846 6010 | 721026460 |
| Aluminum, tot. recoverable as Al by ICP-Trace | 0.023 | mg/L | 1 | 0.010 | 0.020 | 04/01/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 03/23/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [2.0] | ug/L | 1 | 2.0 | 7.1 | 03/23/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [4.9] | ug/L | 1 | 1.6 | 5.6 | 03/24/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [5.1] | ug/L | 1 | 1.6 | 5.6 | 03/24/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 120 | ug/L | 1 | 2.5* | 5.0 | 03/31/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 110 | ug/L | 1 | 2.5* | 5.0 | 03/31/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 03/31/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 03/31/05 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 03/31/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/01/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 100 | mg/L | 1 | 0.15* | 0.30 | 03/31/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 97 | mg/L | 1 | 0.15* | 0.30 | 04/01/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 5.3 | ug/L | 1 | 3.6* | | 03/16/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | ug/L | | 3.6* | | 04/04/05 | Calc. | 721026460 |
| No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | | |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.45 | 1.4 | 03/31/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | [1.1] | ug/L | 1 | 0.45 | 1.4 | 03/31/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 03/31/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/02/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 03/22/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 1.3 | mg/L | 1 | 0.033 | 0.10 | 03/31/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | 1.3 | mg/L | 1 | 0.033 | 0.10 | 03/31/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 03/31/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/01/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 58 | mg/L | 1 | 0.15* | 0.30 | 03/31/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 60 | mg/L | 1 | 0.15* | 0.30 | 03/31/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 260 | ug/L | 1 | 1.0* | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 270 | ug/L | 1 | 1.0* | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/24/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/24/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.71 | 2.3 | 03/31/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | [1.4] | ug/L | 1 | 0.71 | 2.3 | 04/01/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 7.1 | mg/L | 1 | 0.36 | 1.3 | 04/01/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 6.9 | mg/L | 1 | 0.36 | 1.3 | 04/01/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 03/23/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 2 | 3.7 | 13 | 03/23/05 | SW846 7740 | 721026460 |
| Sample required a dilution to overcome negative interference encountered during analysis. | | | | | | | | |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | [1.1] | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 32 | mg/L | 1 | 0.033 | 0.12 | 04/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 32 | mg/L | 1 | 0.033 | 0.12 | 04/01/05 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 87912
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RI/FS 25688375

**NS-GW-MW13A-0305 NLS ID: 364255**
Ref. Line 4 COC 75703 NS-GW-MW13A-0305 Matrix: GW
Collected: 03/15/05 13:40 Received: 03/15/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 03/22/05 | SW846 7841 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 03/22/05 | SW846 7841 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 03/31/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 03/31/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/17/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/17/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/17/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/17/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/18/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/18/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 03/24/05 | SW846 8270C | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
***400 North Lake Avenue - Crandon, WI 54520***
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 87912**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RI/FS 25688375**

**NS-GW-MW13C-0305 NLS ID: 364256**
Ref. Line 5 COC 75703 NS-GW-MW13C-0305 Matrix: GW
Collected: 03/15/05 15:00 Received: 03/16/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.010 | 0.020 | 03/31/05 | SW846 6010 | 721026460 |
| Aluminum, tot. recoverable as Al by ICP-Trace | 0.054 | mg/L | 1 | 0.010 | 0.020 | 04/01/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 03/23/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 03/23/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [5.6] | ug/L | 1 | 1.6 | 5.6 | 03/24/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 6.0 | ug/L | 1 | 1.6 | 5.6 | 03/24/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 85 | ug/L | 1 | 2.5* | 5.0 | 03/31/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 83 | ug/L | 1 | 2.5* | 5.0 | 03/31/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 03/31/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 03/31/05 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 03/31/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/01/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 24 | mg/L | 1 | 0.15* | 0.30 | 03/31/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 23 | mg/L | 1 | 0.15* | 0.30 | 04/01/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 03/16/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 04/04/05 | Calc. | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.45 | 1.4 | 03/31/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | [0.81] | ug/L | 1 | 0.45 | 1.4 | 03/31/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 03/31/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/02/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 03/22/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 03/31/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | [0.073] | mg/L | 1 | 0.033 | 0.10 | 03/31/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 03/31/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/02/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 7.2 | mg/L | 1 | 0.15* | 0.30 | 03/31/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 7.4 | mg/L | 1 | 0.15* | 0.30 | 03/31/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 51 | ug/L | 1 | 1.0* | 2.0 | 04/01/05 | SW846 6010 | 721026460 |
| | Batch 22 prep blank was contaminated for Mn at 6.327 ug/L. | | | | | | | |
| Manganese, tot. recoverable as Mn by ICP-Trace | 54 | ug/L | 1 | 1.0* | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/24/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/24/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.71 | 2.3 | 03/31/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | ND | ug/L | 1 | 0.71 | 2.3 | 04/01/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 3.1 | mg/L | 1 | 0.36 | 1.3 | 04/01/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2.9 | mg/L | 1 | 0.36 | 1.3 | 04/01/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 03/23/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 03/23/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 16 | mg/L | 1 | 0.033 | 0.12 | 04/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 17 | mg/L | 1 | 0.033 | 0.12 | 04/01/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 03/22/05 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 87912
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RI/FS 25688375

**NS-GW-MW13C-0305 NLS ID: 364256**
Ref. Line 5 COC 75703 NS-GW-MW13C-0305 Matrix: GW
Collected: 03/15/05 15:00 Received: 03/16/05

| Pararneter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 03/22/05 | SW846 7841 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 03/31/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 03/31/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/17/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/17/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/17/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/17/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/18/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/18/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 03/24/05 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 87912
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RI/FS 25688375

**NS-GW-MW13D-0305 NLS ID: 364257**
Ref. Line 6 COC 75703 NS-GW-MW13D-0305 Matrix: GW
Collected: 03/15/05 15:15 Received: 03/16/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.010 | 0.020 | 03/31/05 | SW846 6010 | 721026460 |
| Aluminum, tot. recoverable as Al by ICP-Trace | 0.061 | mg/L | 1 | 0.010 | 0.020 | 04/01/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 03/23/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 03/23/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [4.8] | ug/L | 1 | 1.6 | 5.6 | 03/24/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [3.8] | ug/L | 1 | 1.6 | 5.6 | 03/24/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 76 | ug/L | 1 | 2.5* | 5.0 | 03/31/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 72 | ug/L | 1 | 2.5* | 5.0 | 03/31/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 03/31/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 03/31/05 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 03/31/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/01/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 27 | mg/L | 1 | 0.15* | 0.30 | 03/31/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 25 | mg/L | 1 | 0.15* | 0.30 | 04/01/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 03/16/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 04/04/05 | Calc. | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.47] | ug/L | 1 | 0.45 | 1.4 | 03/31/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | [0.71] | ug/L | 1 | 0.45 | 1.4 | 03/31/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 03/31/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | [1.8] | ug/L | 1 | 1.3 | 4.0 | 04/02/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 03/22/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 03/31/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | [0.055] | mg/L | 1 | 0.033 | 0.10 | 03/31/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 03/31/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/01/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 8.1 | mg/L | 1 | 0.15* | 0.30 | 03/31/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 8.3 | mg/L | 1 | 0.15* | 0.30 | 03/31/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 71 | ug/L | 1 | 1.0* | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 73 | ug/L | 1 | 1.0* | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/24/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/24/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.71 | 2.3 | 03/31/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | ND | ug/L | 1 | 0.71 | 2.3 | 04/01/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 3.7 | mg/L | 1 | 0.36 | 1.3 | 04/01/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 3.6 | mg/L | 1 | 0.36 | 1.3 | 04/01/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 03/23/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 03/23/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | [0.75] | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 20 | mg/L | 1 | 0.033 | 0.12 | 04/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 20 | mg/L | 1 | 0.033 | 0.12 | 04/01/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 03/22/05 | SW846 7841 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 03/22/05 | SW846 7841 | 721026460 |

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Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-950
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 87912
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RI/FS 25688375

**NS-GW-MW13D-0305 NLS ID: 364257**
Ref. Line 6 COC 75703 NS-GW-MW13D-0305 Matrix: GW
Collected: 03/15/05 15:15 Received: 03/16/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 03/31/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 03/31/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/17/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/17/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/17/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/17/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/18/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/18/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 03/24/05 | SW846 8270C | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 87912
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RI/FS 25688375

**NS-GW-MW3-0305 NLS ID: 364258**
Ref. Line 7 COC 75703 NS-GW-MW3-0305 Matrix: GW
Collected: 03/15/05 15:35 Received: 03/16/05
Notes: SVOC Bottles were Rec. on 03-17-05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.010 | 0.020 | 04/01/05 | SW846 6010 | 721026460 |
| Aluminum, tot. recoverable as Al by ICP-Trace | 44 | mg/L | 1 | 0.010 | 0.020 | 03/31/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | [3.7] | ug/L | 1 | 2.0 | 7.1 | 03/23/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [3.4] | ug/L | 1 | 2.0 | 7.1 | 03/23/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | 6.9 | ug/L | 1 | 1.6 | 5.6 | 03/24/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 11 | ug/L | 1 | 1.6 | 5.6 | 03/24/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 580 | ug/L | 1 | 2.5* | 5.0 | 03/31/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 710 | ug/L | 1 | 2.5* | 5.0 | 03/31/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 03/31/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 5 | 0.85 | 2.5 | 04/01/05 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 03/31/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 5 | 0.85 | 2.5 | 04/01/05 | SW846 6010 | 721026460 |
| | Dilution was required to reduce matrix interferences. | | | | | | | |
| Calcium, dis. as Ca by ICP-Trace | 260 | mg/L | 1 | 0.15* | 0.30 | 03/31/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 280 | mg/L | 5 | 0.75* | 1.5 | 04/01/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 5.3 | ug/L | 1 | 3.6* | | 03/16/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 110 | ug/L | 1 | 3.6* | | 04/04/05 | Calc. | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | 1.6 | ug/L | 1 | 0.45 | 1.4 | 03/31/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | 120 | ug/L | 1 | 0.45 | 1.4 | 03/31/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | 7.4 | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | 36 | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 03/31/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | 100 | ug/L | 1 | 1.3 | 4.0 | 03/31/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | 4.5 | mg/L | 25 | 0.13 | 0.38 | 03/29/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 6.3 | mg/L | 1 | 0.033 | 0.10 | 03/31/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | 62 | mg/L | 1 | 0.033 | 0.10 | 03/31/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 03/31/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | 18 | ug/L | 5 | 5.2 | 17 | 04/01/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 51 | mg/L | 1 | 0.15* | 0.30 | 03/31/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 75 | mg/L | 1 | 0.15* | 0.30 | 03/31/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 2200 | ug/L | 1 | 1.0* | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 3300 | ug/L | 1 | 1.0* | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/24/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | [0.042] | ug/L | 1 | 0.025 | 0.050 | 03/24/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 10 | ug/L | 1 | 0.71 | 2.3 | 03/31/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | 75 | ug/L | 5 | 3.6 | 11 | 04/01/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 13 | mg/L | 5 | 1.8 | 6.6 | 04/01/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 27 | mg/L | 5 | 1.8 | 6.6 | 04/01/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 03/23/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 03/23/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | [1.7] | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | 6.5 | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 570 | mg/L | 5 | 0.17 | 0.60 | 04/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 1000 | mg/L | 5 | 0.17 | 0.60 | 04/01/05 | SW846 6010 | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 87912
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RI/FS 25688375

**NS-GW-MW3-0305 NLS ID: 364258**
Ref. Line 7 COC 75703 NS-GW-MW3-0305 Matrix: GW
Collected: 03/15/05 15:35 Received: 03/15/05
Notes: SVOC Bottles were Rec. on 03-17-05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 03/22/05 | SW846 7841 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | [3.5] | ug/L | 1 | 2.4 | 8.4 | 03/22/05 | SW846 7841 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [0.85] | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | 96 | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [8.2] | ug/L | 1 | 5.0* | 10 | 03/31/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | 190 | ug/L | 1 | 5.0* | 10 | 03/31/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/17/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/17/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/17/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/17/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/18/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/18/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 03/24/05 | SW846 8270C | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 87912
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RI/FS 25688375

**NS-WQ-Dup1-0305 NLS ID: 364259**
Ref. Line 8 COC 75703 NS-WQ-Dup1-0305 Matrix: GW
Collected: 03/15/05 00:00 Received: 03/16/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.010 | 0.020 | 03/31/05 | SW846 6010 | 721026460 |
| Aluminum, tot. recoverable as Al by ICP-Trace | [0.020] | mg/L | 1 | 0.010 | 0.020 | 04/01/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 03/23/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 03/23/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | 5.9 | ug/L | 1 | 1.6 | 5.6 | 03/24/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [5.5] | ug/L | 1 | 1.6 | 5.6 | 03/24/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 120 | ug/L | 1 | 2.5* | 5.0 | 03/31/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 110 | ug/L | 1 | 2.5* | 5.0 | 03/31/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 03/31/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 03/31/05 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 03/31/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/01/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 100 | mg/L | 1 | 0.15* | 0.30 | 03/31/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 97 | mg/L | 1 | 0.15* | 0.30 | 04/01/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 12 | ug/L | 1 | 3.6* | | 03/16/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | ug/L | | 3.6* | | 04/04/05 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.45 | 1.4 | 03/31/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | [0.88] | ug/L | 1 | 0.45 | 1.4 | 03/31/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 03/31/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/02/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.0050] | mg/L | 1 | 0.0050 | 0.015 | 03/22/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 1.3 | mg/L | 1 | 0.033 | 0.10 | 03/31/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | 1.4 | mg/L | 1 | 0.033 | 0.10 | 03/31/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [1.0] | ug/L | 1 | 1.0 | 3.3 | 03/31/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/01/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 59 | mg/L | 1 | 0.15* | 0.30 | 03/31/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 62 | mg/L | 1 | 0.15* | 0.30 | 03/31/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 270 | ug/L | 1 | 1.0* | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 280 | ug/L | 1 | 1.0* | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/24/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/24/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.71 | 2.3 | 03/31/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | ND | ug/L | 1 | 0.71 | 2.3 | 04/01/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 6.9 | mg/L | 1 | 0.36 | 1.3 | 04/01/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 6.7 | mg/L | 1 | 0.36 | 1.3 | 04/01/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 03/23/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | [2.2] | ug/L | 1 | 1.9 | 6.4 | 03/23/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | [0.91] | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 32 | mg/L | 1 | 0.033 | 0.12 | 04/01/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 31 | mg/L | 1 | 0.033 | 0.12 | 04/01/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 03/22/05 | SW846 7841 | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 87912
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RI/FS 25688375

**NS-WQ-Dup1-0305 NLS ID: 364259**
Ref. Line 8 COC 75703 NS-WQ-Dup1-0305 Matrix: GW
Collected: 03/15/05 00:00 Received: 03/16/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 03/22/05 | SW846 7841 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 03/31/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | [5.9] | ug/L | 1 | 5.0* | 10 | 03/31/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/17/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/17/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/17/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/17/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/18/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/18/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 03/24/05 | SW846 8270C | 721026460 |

**NS-WQ-Trip Blank1-0305 NLS ID: 364260**
Ref. Line 9 COC 75703 NS-WQ-Trip Blank1-0305 Matrix: TB
Collected: 03/15/05 00:00 Received: 03/16/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 03/18/05 | SW846 8260 | 721026460 |

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

# ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 87976**
**Project Description: Xcel RI/FS 25688375**
**Project Title:** **Template: SAT2NSP** **Printed: 05/03/2005 15:29**

**Sample: 364476** **NS-GW-MW9A-0305** **Collected: 03/16/05** **Analyzed: 03/23/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 510 | ug/L | 50 | 7.1 | 24 |
| sec-Butylbenzene | ND | ug/L | 50 | 6.8 | 23 |
| Ethylbenzene | [22] | ug/L | 50 | 8.4 | 28 |
| ortho-Xylene | [12] | ug/L | 50 | 11 | 36 |
| Styrene | ND | ug/L | 50 | 7.3 | 24 |
| Toluene | 140 | ug/L | 50 | 12 | 42 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 50 | 7.8 | 26 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 50 | 7.4 | 25 |
| meta,para-Xylene | [24] | ug/L | 50 | 17 | 58 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 50 | 10 | 34 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 104% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

**Sample: 364477** **NS-GW-MW9B-0305** **Collected: 03/16/05** **Analyzed: 03/23/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 1900 | ug/L | 200 | 28 | 95 |
| sec-Butylbenzene | ND | ug/L | 200 | 27 | 90 |
| Ethylbenzene | 210 | ug/L | 200 | 33 | 110 |
| ortho-Xylene | [130] | ug/L | 200 | 43 | 140 |
| Styrene | [74] | ug/L | 200 | 29 | 97 |
| Toluene | 310 | ug/L | 200 | 50 | 170 |
| 1,2,4-Trimethylbenzene | [69] | ug/L | 200 | 31 | 100 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 200 | 29 | 98 |
| meta,para-Xylene | 250 | ug/L | 200 | 70 | 230 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 200 | 41 | 140 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 98% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 98% | | | | |

**Sample: 364478** **NS-GW-MW9C-0305** **Collected: 03/16/05** **Analyzed: 03/23/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 25 | ug/L | 50 | 7.1 | 24 |
| sec-Butylbenzene | ND | ug/L | 50 | 6.8 | 23 |
| Ethylbenzene | 30 | ug/L | 50 | 8.4 | 28 |
| ortho-Xylene | 81 | ug/L | 50 | 11 | 36 |
| Styrene | 210 | ug/L | 50 | 7.3 | 24 |
| Toluene | 420 | ug/L | 50 | 12 | 42 |
| 1,2,4-Trimethylbenzene | 43 | ug/L | 50 | 7.8 | 26 |
| 1,3,5-Trimethylbenzene | [11] | ug/L | 50 | 7.4 | 25 |
| meta,para-Xylene | 170 | ug/L | 50 | 17 | 58 |
| 1,2,3-Trimethylbenzene | [16] | ug/L | 50 | 10 | 34 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 104% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 87976**
**Project Description: Xcel RI/FS 25688375**
**Project Title:** **Template: SAT2NSP Printed: 05/03/2005 15:29**

**Sample: 364479 NS-GW-MW5A-0305** **Collected: 03/16/05** **Analyzed: 03/23/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 32000 | ug/L | 2500 | 360 | 1200 |
| sec-Butylbenzene | ND | ug/L | 2500 | 340 | 1100 |
| Ethylbenzene | 3700 | ug/L | 2500 | 420 | 1400 |
| ortho-Xylene | [1200] | ug/L | 2500 | 540 | 1800 |
| Styrene | ND | ug/L | 2500 | 370 | 1200 |
| Toluene | 11000 | ug/L | 2500 | 620 | 2100 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 2500 | 390 | 1300 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 2500 | 370 | 1200 |
| meta,para-Xylene | [2300] | ug/L | 2500 | 870 | 2900 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 2500 | 510 | 1700 |
| Dibromofluoromethane (SURR**) | 101% | | | | |
| Toluene-d8 (SURR**) | 102% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

**Sample: 364480 NS-GW-MW5B-0305** **Collected: 03/16/05** **Analyzed: 03/23/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 39000 | ug/L | 4000 | 570 | 1900 |
| sec-Butylbenzene | ND | ug/L | 4000 | 540 | 1800 |
| Ethylbenzene | [800] | ug/L | 4000 | 670 | 2200 |
| ortho-Xylene | [1800] | ug/L | 4000 | 860 | 2900 |
| Styrene | 5100 | ug/L | 4000 | 580 | 1900 |
| Toluene | 22000 | ug/L | 4000 | 1000 | 3300 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 4000 | 620 | 2100 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 4000 | 590 | 2000 |
| meta,para-Xylene | [3400] | ug/L | 4000 | 1400 | 4600 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 4000 | 820 | 2700 |
| Dibromofluoromethane (SURR**) | 102% | | | | |
| Toluene-d8 (SURR**) | 106% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

**Sample: 364481 NS-GW-MW15B-0305** **Collected: 03/16/05** **Analyzed: 03/23/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 36 | ug/L | 4 | 0.57 | 1.9 |
| sec-Butylbenzene | ND | ug/L | 4 | 0.54 | 1.8 |
| Ethylbenzene | [1.5] | ug/L | 4 | 0.67 | 2.2 |
| ortho-Xylene | 4.2 | ug/L | 4 | 0.86 | 2.9 |
| Styrene | 5.9 | ug/L | 4 | 0.58 | 1.9 |
| Toluene | 59 | ug/L | 4 | 1.0 | 3.3 |
| 1,2,4-Trimethylbenzene | [1.8] | ug/L | 4 | 0.62 | 2.1 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 4 | 0.59 | 2.0 |
| meta,para-Xylene | 8.4 | ug/L | 4 | 1.4 | 4.6 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 4 | 0.82 | 2.7 |
| Dibromofluoromethane (SURR**) | 110% | | | | |
| Toluene-d8 (SURR**) | 101% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 87976**

**Project Description: Xcel RI/FS 25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 05/03/2005 15:29**

**Sample: 364482** **NS-GW-MW16-0305** **Collected: 03/16/05** **Analyzed: 03/23/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 1.1 | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 83 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 99% | | | | |
| Toluene-d8 (SURR**) | 103% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

Toluene was reported beyond calibration range.

Toluene was repeated on a different vial. See reanalysis on 3/24/2005.

Matrix spike and matrix spike duplicate recoveries for Toluene could not be quantitated effectively due to sample matrix.

**Sample: 364483** **NS-GW-MW15-0305** **Collected: 03/16/05** **Analyzed: 03/23/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 79000 | ug/L | 5000 | 710 | 2400 |
| sec-Butylbenzene | ND | ug/L | 5000 | 680 | 2300 |
| Ethylbenzene | [2500] | ug/L | 5000 | 840 | 2800 |
| ortho-Xylene | [2100] | ug/L | 5000 | 1100 | 3600 |
| Styrene | ND | ug/L | 5000 | 730 | 2400 |
| Toluene | 24000 | ug/L | 5000 | 1200 | 4200 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 5000 | 780 | 2600 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 5000 | 740 | 2500 |
| meta,para-Xylene | [4700] | ug/L | 5000 | 1700 | 5800 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 5000 | 1000 | 3400 |
| Dibromofluoromethane (SURR**) | 101% | | | | |
| Toluene-d8 (SURR**) | 101% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 87976**

**Project Description: Xcel RI/FS 25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 05/03/2005 15:29**

**Sample: 364484** **NS-WQ-Dup2-0305** **Collected: 03/16/05** **Analyzed: 03/23/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 39000 | ug/L | 4000 | 570 | 1900 |
| sec-Butylbenzene | ND | ug/L | 4000 | 540 | 1800 |
| Ethylbenzene | [750] | ug/L | 4000 | 670 | 2200 |
| ortho-Xylene | [1900] | ug/L | 4000 | 860 | 2900 |
| Styrene | 5200 | ug/L | 4000 | 580 | 1900 |
| Toluene | 22000 | ug/L | 4000 | 1000 | 3300 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 4000 | 620 | 2100 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 4000 | 590 | 2000 |
| meta,para-Xylene | [3600] | ug/L | 4000 | 1400 | 4600 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 4000 | 820 | 2700 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 104% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 103% | | | | |

**Sample: 364485** **NS-WQ-Trip Blank-0305** **Collected: 03/16/05** **Analyzed: 03/23/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 2.9 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 102% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

**Sample: 364486** **NS-GW-MW5C-0305 MS/MSD** **Collected: 03/16/05** **Analyzed: 03/23/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 0.51 | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 9.4 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 98% | | | | |
| Toluene-d8 (SURR**) | 98% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 93% | | | | |

**Customer: URS Corporation (Milwaukee)** **NLS Project: 87976**
**Project Description: Xcel RI/FS 25688375**
**Project Title:** **Template: SAT2NSP** **Printed: 05/03/2005 15:29**

** Surrogates are used to evaluate a method's Quality Control.

# ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 87976**
**Project Description: Xcel RI/FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 05/03/2005 15:29**

**Sample: 364476** **NS-GW-MW9A-030**5 **Collected: 03/16/05** **Analyzed: 03/25/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | [1.8] | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | [2.4] | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | 5.3 | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| 2-Fluorophenol (SURR**) | 33% | | | | |
| Phenol-d5 (SURR**) | 21% | | | | |
| Nitrobenzene-d5 (SURR**) | 61% | | | | |
| 2-Fluorobiphenyl (SURR**) | 70% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 85% | | | | |
| Terphenyl-d14 (SURR**) | 95% | | | | |

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 87976**
**Project Description: Xcel RI/FS 25688375**
**Project Title:** **Template: 8270WNSP Printed: 05/03/2005 15:29**

**Sample: 364477 NS-GW-MW9B-0305** **Collected: 03/16/05** **Analyzed: 03/25/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 25 | 27 | 89 |
| Acenaphthylene | [48] | ug/L | 25 | 26 | 87 |
| Anthracene | ND | ug/L | 25 | 25 | 82 |
| Benzo[a]anthracene | ND | ug/L | 25 | 23 | 76 |
| Benzo[a]pyrene | ND | ug/L | 25 | 26 | 86 |
| Benzo[b]fluoranthene | ND | ug/L | 25 | 23 | 76 |
| Benzo[g,h,i]perylene | ND | ug/L | 25 | 25 | 84 |
| Benzo[k]fluoranthene | ND | ug/L | 25 | 29 | 98 |
| Chrysene | ND | ug/L | 25 | 25 | 84 |
| Dibenzo[a,h]anthracene | ND | ug/L | 25 | 25 | 83 |
| Dibenzofuran | ND | ug/L | 25 | 27 | 91 |
| Fluoranthene | ND | ug/L | 25 | 24 | 81 |
| Fluorene | ND | ug/L | 25 | 25 | 83 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 25 | 24 | 78 |
| 1-Methylnaphthalene | 180 | ug/L | 25 | 26 | 88 |
| 2-Methylnaphthalene | 170 | ug/L | 25 | 26 | 88 |
| 2-Methylphenol | ND | ug/L | 25 | 22 | 75 |
| 3 & 4-Methylphenol | ND | ug/L | 25 | 36 | 120 |
| Naphthalene | 770 | ug/L | 25 | 27 | 89 |
| Phenanthrene | ND | ug/L | 25 | 24 | 81 |
| Phenol | ND | ug/L | 25 | 13 | 42 |
| Pyrene | ND | ug/L | 25 | 23 | 78 |
| Benzo[e]pyrene | ND | ug/L | 25 | 26 | 86 |
| 2-Fluorophenol (SURR**) | 40% | | | | |
| Phenol-d5 (SURR**) | 24% | | | | |
| Nitrobenzene-d5 (SURR**) | 72% | | | | |
| 2-Fluorobiphenyl (SURR**) | 91% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 76% | | | | |
| Terphenyl-d14 (SURR**) | 147% | | | | |

Surrogate recovery for Terphenyl-d14 was outside QC limits due to sample matrix.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 87976**
**Project Description: Xcel RI/FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 05/03/2005 15:29**

**Sample: 364478** **NS-GW-MW9C-0305** **Collected: 03/16/05** **Analyzed: 03/25/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 20 | 21 | 71 |
| Acenaphthylene | [32] | ug/L | 20 | 21 | 70 |
| Anthracene | ND | ug/L | 20 | 20 | 66 |
| Benzo[a]anthracene | ND | ug/L | 20 | 18 | 61 |
| Benzo[a]pyrene | ND | ug/L | 20 | 21 | 69 |
| Benzo[b]fluoranthene | ND | ug/L | 20 | 18 | 61 |
| Benzo[g,h,i]perylene | ND | ug/L | 20 | 20 | 67 |
| Benzo[k]fluoranthene | ND | ug/L | 20 | 23 | 78 |
| Chrysene | ND | ug/L | 20 | 20 | 67 |
| Dibenzo[a,h]anthracene | ND | ug/L | 20 | 20 | 66 |
| Dibenzofuran | ND | ug/L | 20 | 22 | 73 |
| Fluoranthene | ND | ug/L | 20 | 19 | 65 |
| Fluorene | ND | ug/L | 20 | 20 | 66 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 20 | 19 | 63 |
| 1-Methylnaphthalene | 80 | ug/L | 20 | 21 | 70 |
| 2-Methylnaphthalene | 110 | ug/L | 20 | 21 | 71 |
| 2-Methylphenol | ND | ug/L | 20 | 18 | 60 |
| 3 & 4-Methylphenol | ND | ug/L | 20 | 29 | 96 |
| Naphthalene | 540 | ug/L | 20 | 21 | 71 |
| Phenanthrene | ND | ug/L | 20 | 20 | 65 |
| Phenol | ND | ug/L | 20 | 10 | 34 |
| Pyrene | ND | ug/L | 20 | 19 | 62 |
| Benzo[e]pyrene | ND | ug/L | 20 | 21 | 69 |
| 2-Fluorophenol (SURR**) | 38% | | | | |
| Phenol-d5 (SURR**) | 23% | | | | |
| Nitrobenzene-d5 (SURR**) | 68% | | | | |
| 2-Fluorobiphenyl (SURR**) | 86% | | | | |
| 2,4 6-Tribromophenol (SURR**) | 69% | | | | |
| Terphenyl-d14 (SURR**) | 138% | | | | |

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 87976**
**Project Description: Xcel RI/FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 05/03/2005 15:29**

**Sample: 364479** **NS-GW-MW5A-0305** **Collected: 03/16/05** **Analyzed: 03/25/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 100 | 110 | 360 |
| Acenaphthylene | ND | ug/L | 100 | 100 | 350 |
| Anthracene | ND | ug/L | 100 | 98 | 330 |
| Benzo[a]anthracene | ND | ug/L | 100 | 92 | 310 |
| Benzo[a]pyrene | ND | ug/L | 100 | 100 | 340 |
| Benzo[b]fluoranthene | ND | ug/L | 100 | 92 | 310 |
| Benzo[g,h,i]perylene | ND | ug/L | 100 | 100 | 340 |
| Benzo[k]fluoranthene | ND | ug/L | 100 | 120 | 390 |
| Chrysene | ND | ug/L | 100 | 100 | 340 |
| Dibenzo[a,h]anthracene | ND | ug/L | 100 | 99 | 330 |
| Dibenzofuran | ND | ug/L | 100 | 110 | 360 |
| Fluoranthene | ND | ug/L | 100 | 97 | 320 |
| Fluorene | ND | ug/L | 100 | 99 | 330 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 100 | 94 | 310 |
| 1-Methylnaphthalene | [270] | ug/L | 100 | 110 | 350 |
| 2-Methylnaphthalene | [340] | ug/L | 100 | 110 | 350 |
| 2-Methylphenol | 820 | ug/L | 100 | 90 | 300 |
| 3 & 4-Methylphenol | 1100 | ug/L | 100 | 140 | 480 |
| Naphthalene | 2900 | ug/L | 100 | 110 | 360 |
| Phenanthrene | ND | ug/L | 100 | 98 | 330 |
| Phenol | ND | ug/L | 100 | 51 | 170 |
| Pyrene | ND | ug/L | 100 | 94 | 310 |
| Benzo[e]pyrene | ND | ug/L | 100 | 100 | 340 |
| 2-Fluorophenol (SURR**) | 37% | | | | |
| Phenol-d5 (SURR**) | 22% | | | | |
| Nitrobenzene-d5 (SURR**) | 72% | | | | |
| 2-Fluorobiphenyl (SURR**) | 86% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 84% | | | | |
| Terphenyl-d14 (SURR**) | 138% | | | | |

A 10 fold dilution was performed during extraction.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 87976**
**Project Description: Xcel RI/FS 25688375**
**Project Title:** **Template: 8270WNSP Printed: 05/03/2005 15:29**

**Sample: 364480 NS-GW-MW5B-03(5** **Collected: 03/16/05** **Analyzed: 03/25/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 210 | 710 |
| Acenaphthylene | [290] | ug/L | 200 | 210 | 700 |
| Anthracene | ND | ug/L | 200 | 200 | 660 |
| Benzo[a]anthracene | ND | ug/L | 200 | 180 | 610 |
| Benzo[a]pyrene | ND | ug/L | 200 | 210 | 690 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 180 | 610 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 200 | 670 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 230 | 780 |
| Chrysene | ND | ug/L | 200 | 200 | 670 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 200 | 660 |
| Dibenzofuran | ND | ug/L | 200 | 220 | 730 |
| Fluoranthene | ND | ug/L | 200 | 190 | 650 |
| Fluorene | ND | ug/L | 200 | 200 | 660 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 190 | 630 |
| 1-Methylnaphthalene | 790 | ug/L | 200 | 210 | 700 |
| 2-Methylnaphthalene | 1100 | ug/L | 200 | 210 | 710 |
| 2-Methylphenol | 1300 | ug/L | 200 | 180 | 600 |
| 3 & 4-Methylphenol | 2300 | ug/L | 200 | 290 | 960 |
| Naphthalene | 6400 | ug/L | 200 | 210 | 710 |
| Phenanthrene | ND | ug/L | 200 | 200 | 650 |
| Phenol | 760 | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 190 | 620 |
| Benzo[e]pyrene | ND | ug/L | 200 | 210 | 690 |
| 2-Fluorophenol (SURR**) | 40% | | | | |
| Phenol-d5 (SURR**) | 25% | | | | |
| Nitrobenzene-d5 (SURR**) | 75% | | | | |
| 2-Fluorobiphenyl (SURR**) | 90% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 79% | | | | |
| Terphenyl-d14 (SURR**) | 141% | | | | |

A 10 fold dilution was performed during extraction.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 87976**
**Project Description: Xcel RI/FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 05/03/2005 15:29**

**Sample: 364481** **NS-GW-MW15B-0305** **Collected: 03/16/05** **Analyzed: 03/25/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | [1.7] | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | 4.1 | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | 5.9 | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | 29 | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| 2-Fluorophenol (SURR**) | 35% | | | | |
| Phenol-d5 (SURR**) | 23% | | | | |
| Nitrobenzene-d5 (SURR**) | 65% | | | | |
| 2-Fluorobiphenyl (SURR**) | 72% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 83% | | | | |
| Terphenyl-d14 (SURR**) | 98% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 87976**
**Project Description: Xcel RI/FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 05/03/2005 15:29**

**Sample: 364482** **NS-GW-MW16-0305** **Collected: 03/16/05** **Analyzed: 03/25/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| 2-Fluorophenol (SURR**) | 36% | | | | |
| Phenol-d5 (SURR**) | 27% | | | | |
| Nitrobenzene-d5 (SURR**) | 66% | | | | |
| 2-Fluorobiphenyl (SURR**) | 73% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 90% | | | | |
| Terphenyl-d14 (SURR**) | 92% | | | | |

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 87976**
***Project Description: Xcel RI/FS 25688375***
**Project Title:** **Template: 8270WNSP** **Printed: 05/03/2005 15:29**

**Sample: 364483** **NS-GW-MW15-0305** **Collected: 03/16/05** **Analyzed: 03/25/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 400 | 430 | 1400 |
| Acenaphthylene | ND | ug/L | 400 | 420 | 1400 |
| Anthracene | ND | ug/L | 400 | 390 | 1300 |
| Benzo[a]anthracene | ND | ug/L | 400 | 370 | 1200 |
| Benzo[a]pyrene | ND | ug/L | 400 | 410 | 1400 |
| Benzo[b]fluoranthene | ND | ug/L | 400 | 370 | 1200 |
| Benzo[g,h,i]perylene | ND | ug/L | 400 | 400 | 1300 |
| Benzo[k]fluoranthene | ND | ug/L | 400 | 470 | 1600 |
| Chrysene | ND | ug/L | 400 | 400 | 1300 |
| Dibenzo[a,h]anthracene | ND | ug/L | 400 | 400 | 1300 |
| Dibenzofuran | ND | ug/L | 400 | 440 | 1500 |
| Fluoranthene | ND | ug/L | 400 | 390 | 1300 |
| Fluorene | ND | ug/L | 400 | 400 | 1300 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 400 | 380 | 1300 |
| 1-Methylnaphthalene | [1000] | ug/L | 400 | 420 | 1400 |
| 2-Methylnaphthalene | 1800 | ug/L | 400 | 420 | 1400 |
| 2-Methylphenol | ND | ug/L | 400 | 360 | 1200 |
| 3 & 4-Methylphenol | [750] | ug/L | 400 | 570 | 1900 |
| Naphthalene | 12000 | ug/L | 400 | 430 | 1400 |
| Phenanthrene | [700] | ug/L | 400 | 390 | 1300 |
| Phenol | ND | ug/L | 400 | 200 | 680 |
| Pyrene | ND | ug/L | 400 | 370 | 1200 |
| Benzo[e]pyrene | ND | ug/L | 400 | 410 | 1400 |
| 2-Fluorophenol (SURR**) | 39% | | | | |
| Phenol-d5 (SURR**) | 25% | | | | |
| Nitrobenzene-d5 (SURR**) | 81% | | | | |
| 2-Fluorobiphenyl (SURR**) | 95% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 91% | | | | |
| Terphenyl-d14 (SURR**) | 169% | | | | |

A 20 fold dilution was performed during extraction.
Surrogate recovery for Terphenyl-d14 was outside QC limits due to sample matrix.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 87976**
**Project Description: Xcel RI/FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 05/03/2005 15:29**

**Sample: 364484** **NS-WQ-Dup2-0305** **Collected: 03/16/05** **Analyzed: 03/25/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 100 | 110 | 360 |
| Acenaphthylene | [290] | ug/L | 100 | 100 | 350 |
| Anthracene | ND | ug/L | 100 | 98 | 330 |
| Benzo[a]anthracene | ND | ug/L | 100 | 92 | 310 |
| Benzo[a]pyrene | ND | ug/L | 100 | 100 | 340 |
| Benzo[b]fluoranthene | ND | ug/L | 100 | 92 | 310 |
| Benzo[g,h,i]perylene | ND | ug/L | 100 | 100 | 340 |
| Benzo[k]fluoranthene | ND | ug/L | 100 | 120 | 390 |
| Chrysene | ND | ug/L | 100 | 100 | 340 |
| Dibenzo[a,h]anthracene | ND | ug/L | 100 | 99 | 330 |
| Dibenzofuran | ND | ug/L | 100 | 110 | 360 |
| Fluoranthene | ND | ug/L | 100 | 97 | 320 |
| Fluorene | ND | ug/L | 100 | 99 | 330 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 100 | 94 | 310 |
| 1-Methylnaphthalene | 730 | ug/L | 100 | 110 | 350 |
| 2-Methylnaphthalene | 1100 | ug/L | 100 | 110 | 350 |
| 2-Methylphenol | 1400 | ug/L | 100 | 90 | 300 |
| 3 & 4-Methylphenol | 2400 | ug/L | 100 | 140 | 480 |
| Naphthalene | 5800 | ug/L | 100 | 110 | 360 |
| Phenanthrene | ND | ug/L | 100 | 98 | 330 |
| Phenol | 880 | ug/L | 100 | 51 | 170 |
| Pyrene | ND | ug/L | 100 | 94 | 310 |
| Benzo[e]pyrene | ND | ug/L | 100 | 100 | 340 |
| 2-Fluorophenol (SURR**) | 59% | | | | |
| Phenol-d5 (SURR**) | 34% | | | | |
| Nitrobenzene-d5 (SURR**) | 82% | | | | |
| 2-Fluorobiphenyl (SURR**) | 100% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 91% | | | | |
| Terphenyl-d14 (SURR**) | 175% | | | | |

Naphthalene result reported beyond calibration range.
Surrogate recovery for Terphenyl-d14 was outside QC limits due to sample matrix.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 87976**

**Project Description: Xcel RI/FS 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 05/03/2005 15:29**

**Sample: 364486** **NS-GW-MW5C-0305 MS/MSD** **Collected: 03/16/05** **Analyzed: 03/25/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| 2-Fluorophenol (SURR**) | 40% | | | | |
| Phenol-d5 (SURR**) | 26% | | | | |
| Nitrobenzene-d5 (SURR**) | 65% | | | | |
| 2-Fluorobiphenyl (SURR**) | 71% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 86% | | | | |
| Terphenyl-d14 (SURR**) | 113% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

NORTHERN [illegible]E SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 87976
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RI/FS 25688375

**NS-GW-MW9A-0305 NLS ID: 364476**
Ref. Line 1 COC 75704 NS-GW-MW9A-0305 Matrix: GW
Collected: 03/16/05 10:10 Received: 03/17/05
Notes: Hexavalent Chromium collected at 14:05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.010 | 0.020 | 03/31/05 | SW846 6010 | 721026460 |
| Aluminum, tot. recoverable as Al by ICP-Trace | 0.066 | mg/L | 1 | 0.010 | 0.020 | 04/01/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | [2.2] | ug/L | 1 | 2.0 | 7.1 | 03/23/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 03/23/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [4.1] | ug/L | 1 | 1.6 | 5.6 | 03/28/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.0] | ug/L | 1 | 1.6 | 5.6 | 03/28/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 89 | ug/L | 1 | 2.5* | 5.0 | 03/31/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 68 | ug/L | 1 | 2.5* | 5.0 | 04/01/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 03/31/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/01/05 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 03/31/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/01/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 27 | mg/L | 1 | 0.15* | 0.30 | 03/31/05 | SW846 6010 | 721026460 |
| | The verification standard for calcium was outside of the 85-115% acceptance range at 115.8%. | | | | | | | |
| Calcium, tot. recoverable as Ca by ICP-Trace | 22 | mg/L | 1 | 0.15* | 0.30 | 04/01/05 | SW846 6010 | 721026460 |
| | Batch 23 LFB recovery for Ca was outside of the 85-115% recovery range at 117.2%. | | | | | | | |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 03/17/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 04/04/05 | Calc. | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.79] | ug/L | 1 | 0.45 | 1.4 | 03/31/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | [0.77] | ug/L | 1 | 0.45 | 1.4 | 03/31/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 03/31/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/02/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 03/23/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 0.16 | mg/L | 1 | 0.033 | 0.10 | 03/31/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | [0.095] | mg/L | 1 | 0.033 | 0.10 | 03/31/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 03/31/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/01/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 10 | mg/L | 1 | 0.15* | 0.30 | 03/31/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 7.6 | mg/L | 1 | 0.15* | 0.30 | 03/31/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 76 | ug/L | 1 | 1.0* | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 54 | ug/L | 1 | 1.0* | 2.0 | 04/01/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/24/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/24/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.71 | 2.3 | 03/31/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | ND | ug/L | 1 | 0.71 | 2.3 | 04/01/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 3.1 | mg/L | 1 | 0.36 | 1.3 | 04/04/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2.9 | mg/L | 1 | 0.36 | 1.3 | 04/04/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 03/28/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | [2.2] | ug/L | 1 | 1.9 | 6.4 | 03/28/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | [0.94] | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 17 | mg/L | 1 | 0.033 | 0.12 | 04/04/05 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 87976
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RI/FS 25688375

**NS-GW-MW9A-0305 NLS ID: 364476**
Ref. Line 1 COC 75704 NS-GW-MW9A-0305 Matrix: GW
Collected: 03/16/05 10:10 Received: 03/17/05
Notes: Hexavalent Chromium collected at 14:05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Sodium, tot. recoverable as Na by ICP | 15 | mg/L | 1 | 0.033 | 0.12 | 04/04/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 2 | 4.7 | 17 | 03/22/05 | SW846 7841 | 721026460 |
| | Sample required a dilution to overcome negative interference encountered during analysis. | | | | | | | |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 03/22/05 | SW846 7841 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 03/31/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | [5.7] | ug/L | 1 | 5.0* | 10 | 03/31/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/18/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/21/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/19/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 03/25/05 | SW846 8270C | 721026460 |

NORTHERN [illegible] SERVICE, INC.
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105[illegible]0
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 87976
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RI/FS 25688375

**NS-GW-MW9B-0305 NLS ID: 364477**
Ref. Line 2 COC 75704 NS-GW-MW9B-0305 Matrix: GW
Collected: 03/16/05 10:20 Received: 03/17/05
Notes: Hexavalent Chromium collected at 14:10

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.010 | 0.020 | 03/31/05 | SW846 6010 | 721026460 |
| Aluminum, tot. recoverable as Al by ICP-Trace | 0.031 | mg/L | 1 | 0.010 | 0.020 | 04/01/05 | SW846 6010 | 721026460 |
| Antimony, dis as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 03/23/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 03/23/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [5.5] | ug/L | 1 | 1.6 | 5.6 | 03/28/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [4.8] | ug/L | 1 | 1.6 | 5.6 | 03/28/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 76 | ug/L | 1 | 2.5* | 5.0 | 03/31/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 74 | ug/L | 1 | 2.5* | 5.0 | 03/31/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 03/31/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/01/05 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 03/31/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/01/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 29 | mg/L | 1 | 0.15* | 0.30 | 03/31/05 | SW846 6010 | 721026460 |
| | The verification standard for calcium was outside of the 85-115% acceptance range at 115.8%. | | | | | | | |
| Calcium, tot. recoverable as Ca by ICP-Trace | 27 | mg/L | 1 | 0.15* | 0.30 | 04/01/05 | SW846 6010 | 721026460 |
| | Batch 23 LFB recovery for Ca was outside of the 85-115% recovery range at 117.2%. | | | | | | | |
| Chromium, Hex. as Cr+6 | 11 | ug/L | 1 | 3.6* | | 03/17/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | ug/L | | 3.6* | | 04/04/05 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | |
| Chromium, dis. as Cr by ICP-Trace | [0.80] | ug/L | 1 | 0.45 | 1.4 | 03/31/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | [1.1] | ug/L | 1 | 0.45 | 1.4 | 03/31/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 03/31/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/01/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | 0.11 | mg/L | 1 | 0.0050 | 0.015 | 03/23/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 0.66 | mg/L | 1 | 0.033 | 0.10 | 03/31/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | 0.85 | mg/L | 1 | 0.033 | 0.10 | 03/31/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 03/31/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/01/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 7.4 | mg/L | 1 | 0.15* | 0.30 | 03/31/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 7.8 | mg/L | 1 | 0.15* | 0.30 | 03/31/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 210 | ug/L | 1 | 1.0* | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 230 | ug/L | 1 | 1.0* | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/24/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/24/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.71 | 2.3 | 03/31/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | ND | ug/L | 1 | 0.71 | 2.3 | 04/01/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 3.5 | mg/L | 1 | 0.36 | 1.3 | 04/04/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 3.7 | mg/L | 1 | 0.36 | 1.3 | 04/04/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 03/28/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 03/28/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | [0.73] | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | [1.2] | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 87976
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RI/FS 25688375

**NS-GW-MW9B-0305 NLS ID: 364477**
Ref. Line 2 COC 75704 NS-GW-MW9B-0305 Matrix: GW
Collected: 03/16/05 10:20 Received: 03/17/05
Notes: Hexavalent Chromium collected at 14:10

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Sodium, dis. as Na | 20 | mg/L | 1 | 0.033 | 0.12 | 04/04/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 20 | mg/L | 1 | 0.033 | 0.12 | 04/04/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 03/22/05 | SW846 7841 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 03/22/05 | SW846 7841 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 03/31/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 03/31/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/18/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/21/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/19/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 03/25/05 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 87976
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RI/FS 25688375

**NS-GW-MW9C-0305 NLS ID: 364473**
Ref. Line 3 COC 75704 NS-GW-MW9C-0305 Matrix: GW
Collected: 03/16/05 10:30 Received: 03/17/05
Notes: Hexavalent Chromium collected at 14:15

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | [0.010] | mg/L | 1 | 0.010 | 0.020 | 03/31/05 | SW846 6010 | 721026460 |
| Aluminum, tot. recoverable as Al by ICP-Trace | ND | mg/L | 1 | 0.010 | 0.020 | 04/01/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 03/23/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 03/23/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [3.5] | ug/L | 1 | 1.6 | 5.6 | 03/28/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [3.2] | ug/L | 1 | 1.6 | 5.6 | 03/28/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 65 | ug/L | 1 | 2.5* | 5.0 | 03/31/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 53 | ug/L | 1 | 2.5* | 5.0 | 04/01/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 03/31/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/01/05 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 5 | 0.85 | 2.5 | 04/01/05 | SW846 6010 | 721026460 |
| | Dilution was required to reduce matrix interferences. | | | | | | | |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/01/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 37 | mg/L | 1 | 0.15* | 0.30 | 03/31/05 | SW846 6010 | 721026460 |
| | The verification standard for calcium was outside of the 85-115% acceptance range at 115.8%. | | | | | | | |
| Calcium, tot. recoverable as Ca by ICP-Trace | 24 | mg/L | 1 | 0.15* | 0.30 | 04/01/05 | SW846 6010 | 721026460 |
| | Batch 23 LFB recovery for Ca was outside of the 85-115% recovery range at 117.2%. | | | | | | | |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 03/17/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 04/04/05 | Calc. | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [1.2] | ug/L | 1 | 0.45 | 1.4 | 03/31/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | [0.80] | ug/L | 1 | 0.45 | 1.4 | 03/31/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/02/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/02/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 03/23/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 03/31/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | [0.036] | mg/L | 1 | 0.033 | 0.10 | 03/31/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 5 | 5.2 | 17 | 04/01/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/01/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 8.8 | mg/L | 1 | 0.15* | 0.30 | 03/31/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 7.9 | mg/L | 1 | 0.15* | 0.30 | 03/31/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 75 | ug/L | 1 | 1.0* | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 68 | ug/L | 1 | 1.0* | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/24/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/24/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.71 | 2.3 | 03/31/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | ND | ug/L | 1 | 0.71 | 2.3 | 04/01/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 12 | mg/L | 5 | 1.8 | 6.6 | 04/04/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 3.2 | mg/L | 1 | 0.36 | 1.3 | 04/04/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 03/28/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 03/28/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | [1.2] | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | [1.1] | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 87976
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RI/FS 25688375

**NS-GW-MW9C-0305 NLS ID: 364478**
Ref. Line 3 COC 75704 NS-GW-MW9C-0305 Matrix: GW
Collected: 03/16/05 10:30 Received: 03/17/05
Notes: Hexavalent Chromium collected at 14:15

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Sodium, dis. as Na | 550 | mg/L | 10 | 0.33 | 1.2 | 04/04/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 35 | mg/L | 1 | 0.033 | 0.12 | 04/04/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 03/22/05 | SW846 7841 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 03/22/05 | SW846 7841 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 03/31/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 03/31/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/18/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/21/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/19/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 03/25/05 | SW846 8270C | 721026460 |

NORTHERN [redacted] SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 87976
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RI/FS 25688375

**NS-GW-MW5A-0305 NLS ID: 364479**
Ref. Line 4 COC 75704 NS-GW-MW5A-0305 Matrix: GW
Collected: 03/16/05 11:45 Received: 03/17/05
Notes: Hexavalent Chromium collected at 14:20

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.010 | 0.020 | 03/31/05 | SW846 6010 | 721026460 |
| Aluminum, tot. recoverable as Al by ICP-Trace | 1.3 | mg/L | 1 | 0.010 | 0.020 | 03/31/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | [2.2] | ug/L | 1 | 2.0 | 7.1 | 03/23/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [2.3] | ug/L | 1 | 2.0 | 7.1 | 03/23/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [1.7] | ug/L | 1 | 1.6 | 5.6 | 03/28/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [3.0] | ug/L | 1 | 1.6 | 5.6 | 03/28/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 580 | ug/L | 1 | 2.5* | 5.0 | 03/31/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 490 | ug/L | 1 | 2.5* | 5.0 | 04/01/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 03/31/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/01/05 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 03/31/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/01/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 53 | mg/L | 1 | 0.15* | 0.30 | 03/31/05 | SW846 6010 | 721026460 |
| | The verification standard for calcium was outside of the 85-115% acceptance range at 115.8%. | | | | | | | |
| Calcium, tot. recoverable as Ca by ICP-Trace | 49 | mg/L | 1 | 0.15* | 0.30 | 04/01/05 | SW846 6010 | 721026460 |
| | Batch 23 LFB recovery for Ca was outside of the 85-115% recovery range at 117.2%. | | | | | | | |
| Chromium, Hex. as Cr+6 | 5.3 | ug/L | 1 | 3.6* | | 03/17/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | ug/L | | 3.6* | | 04/04/05 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | |
| Chromium, dis. as Cr by ICP-Trace | [1.0] | ug/L | 1 | 0.45 | 1.4 | 03/31/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | 2.8 | ug/L | 1 | 0.45 | 1.4 | 03/31/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | [0.87] | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 03/31/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | [2.4] | ug/L | 1 | 1.3 | 4.0 | 04/02/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | 0.034 | mg/L | 1 | 0.0050 | 0.015 | 03/23/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 2.9 | mg/L | 1 | 0.033 | 0.10 | 03/31/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | 4.4 | mg/L | 1 | 0.033 | 0.10 | 03/31/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 03/31/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | [1.6] | ug/L | 1 | 1.0 | 3.3 | 04/01/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 46 | mg/L | 1 | 0.15* | 0.30 | 03/31/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 44 | mg/L | 1 | 0.15* | 0.30 | 03/31/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 190 | ug/L | 1 | 1.0* | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 340 | ug/L | 1 | 1.0* | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/24/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/24/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [0.80] | ug/L | 1 | 0.71 | 2.3 | 03/31/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | 2.6 | ug/L | 1 | 0.71 | 2.3 | 04/01/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 5.2 | mg/L | 1 | 0.36 | 1.3 | 04/04/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 5.4 | mg/L | 1 | 0.36 | 1.3 | 04/04/05 | SW846 6010 | 721026460 |
| Selenium, dis as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 03/28/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 03/28/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | [1.1] | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | [1.6] | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RI/FS 25688375

NLS Project: 87976
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**NS-GW-MW5A-0305 NLS ID: 364479**
Ref. Line 4 COC 75704 NS-GW-MW5A-0305 Matrix: GW
Collected: 03/16/05 11:45 Received: 03/17/05
Notes: Hexavalent Chromium collected at 14:20

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Sodium, dis. as Na | 41 | mg/L | 1 | 0.033 | 0.12 | 04/04/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 40 | mg/L | 1 | 0.033 | 0.12 | 04/04/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 03/22/05 | SW846 7841 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 03/22/05 | SW846 7841 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [0.74] | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | 3.6 | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 03/31/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | 15 | ug/L | 1 | 5.0* | 10 | 03/31/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/18/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/21/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/19/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 03/25/05 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 87976
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RI/FS 25688375

**NS-GW-MW5B-0305 NLS ID: 364480**
Ref. Line 5 COC 75704 NS-GW-MW5B-0305 Matrix: GW
Collected: 03/16/05 11:55 Received: 03/17/05
Notes: Hexavalent Chromium collected at 14:25

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | 0.033 | mg/L | 1 | 0.010 | 0.020 | 03/31/05 | SW846 6010 | 721026460 |
| Aluminum, tot. recoverable as Al by ICP-Trace | 0.029 | mg/L | 1 | 0.010 | 0.020 | 04/01/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | [2.8] | ug/L | 1 | 2.0 | 7.1 | 03/23/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [2.0] | ug/L | 1 | 2.0 | 7.1 | 03/23/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 1.6 | 5.6 | 03/28/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [4.2] | ug/L | 1 | 1.6 | 5.6 | 03/28/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 420 | ug/L | 1 | 2.5* | 5.0 | 03/31/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 480 | ug/L | 1 | 2.5* | 5.0 | 03/31/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 03/31/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/01/05 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 03/31/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/01/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 100 | mg/L | 1 | 0.15* | 0.30 | 03/31/05 | SW846 6010 | 721026460 |
| | The verification standard for calcium was outside of the 85-115% acceptance range at 115.8%. | | | | | | | |
| Calcium, tot. recoverable as Ca by ICP-Trace | 100 | mg/L | 1 | 0.15* | 0.30 | 04/01/05 | SW846 6010 | 721026460 |
| | Batch 23 LFB recovery for Ca was outside of the 85-115% recovery range at 117.2%. | | | | | | | |
| Chromium, Hex. as Cr+6 | 7.9 | ug/L | 1 | 3.6* | | 03/17/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | ug/L | | 3.6* | | 04/04/05 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | |
| Chromium, dis. as Cr by ICP-Trace | 1.5 | ug/L | 1 | 0.45 | 1.4 | 03/31/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | [0.84] | ug/L | 1 | 0.45 | 1.4 | 03/31/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | [1.1] | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 03/31/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/02/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | 0.079 | mg/L | 1 | 0.0050 | 0.015 | 03/23/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 0.66 | mg/L | 1 | 0.033 | 0.10 | 03/31/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | 0.86 | mg/L | 1 | 0.033 | 0.10 | 03/31/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 03/31/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/02/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 60 | mg/L | 1 | 0.15* | 0.30 | 03/31/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 60 | mg/L | 1 | 0.15* | 0.30 | 03/31/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 170 | ug/L | 1 | 1.0* | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 180 | ug/L | 1 | 1.0* | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/24/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/24/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 2.7 | ug/L | 1 | 0.71 | 2.3 | 03/31/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | 2.5 | ug/L | 1 | 0.71 | 2.3 | 04/01/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 53 | mg/L | 5 | 1.8 | 6.6 | 04/04/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 8.9 | mg/L | 1 | 0.36 | 1.3 | 04/04/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 03/28/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | [2.4] | ug/L | 1 | 1.9 | 6.4 | 03/28/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | [1.1] | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | [0.85] | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RI/FS 25688375

NLS Project: 87976
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**NS-GW-MW5B-0305 NLS ID: 364480**
Ref. Line 5 COC 75704 NS-GW-MW5B-0305 Matrix: GW
Collected: 03/16/05 11:55 Received: 03/17/05
Notes: Hexavalent Chromium collected at 14:25

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Sodium, dis. as Na | 3400 | mg/L | 10 | 0.33 | 1.2 | 04/04/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 140 | mg/L | 1 | 0.033 | 0.12 | 04/04/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | [8.3] | ug/L | 1 | 2.4 | 8.4 | 03/22/05 | SW846 7841 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 03/22/05 | SW846 7841 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 03/31/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | [5.0] | ug/L | 1 | 5.0* | 10 | 03/31/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/18/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/23/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/19/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 03/25/05 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 87976
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RI/FS 25688375

**NS-GW-MW15B-0305 NLS ID: 364431**
Ref. Line 6 COC 75704 NS-GW-MW15B-0305 Matrix: GW
Collected: 03/16/05 13:30 Received: 03/17/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | [0.013] | mg/L | 1 | 0.010 | 0.020 | 03/31/05 | SW846 6010 | 721026460 |
| Aluminum, tot. recoverable as Al by ICP-Trace | 0.030 | mg/L | 1 | 0.010 | 0.020 | 04/01/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | [5.4] | ug/L | 1 | 2.0 | 7.1 | 03/23/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [3.4] | ug/L | 1 | 2.0 | 7.1 | 03/23/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [3.7] | ug/L | 1 | 1.6 | 5.6 | 03/28/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [3.9] | ug/L | 1 | 1.6 | 5.6 | 03/28/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 200 | ug/L | 1 | 2.5* | 5.0 | 03/31/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 190 | ug/L | 1 | 2.5* | 5.0 | 03/31/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 03/31/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/01/05 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 03/31/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/01/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 220 | mg/L | 1 | 0.15* | 0.30 | 03/31/05 | SW846 6010 | 721026460 |
| | The verification standard for calcium was outside of the 85-115% acceptance range at 115.8%. | | | | | | | |
| Calcium, tot. recoverable as Ca by ICP-Trace | 200 | mg/L | 1 | 0.15* | 0.30 | 04/01/05 | SW846 6010 | 721026460 |
| | Batch 23 LFB recovery for Ca was outside of the 85-115% recovery range at 117.2%. | | | | | | | |
| Chromium, Hex. as Cr+6 | 4.0 | ug/L | 1 | 3.6* | | 03/17/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 04/04/05 | Calc. | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | 2.3 | ug/L | 1 | 0.45 | 1.4 | 03/31/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | 3.4 | ug/L | 1 | 0.45 | 1.4 | 03/31/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | [1.2] | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | [2.1] | ug/L | 1 | 1.3 | 4.0 | 03/31/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | [2.3] | ug/L | 1 | 1.3 | 4.0 | 04/02/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.0080] | mg/L | 1 | 0.0050 | 0.015 | 03/23/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 03/31/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 03/31/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 03/31/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/01/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 100 | mg/L | 1 | 0.15* | 0.30 | 03/31/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 100 | mg/L | 1 | 0.15* | 0.30 | 03/31/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 89 | ug/L | 1 | 1.0* | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 93 | ug/L | 1 | 1.0* | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/24/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/24/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.6] | ug/L | 1 | 0.71 | 2.3 | 03/31/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | 2.8 | ug/L | 1 | 0.71 | 2.3 | 04/01/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 6.9 | mg/L | 1 | 0.36 | 1.3 | 04/04/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 6.9 | mg/L | 1 | 0.36 | 1.3 | 04/04/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | [2.6] | ug/L | 1 | 1.9 | 6.4 | 03/28/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | [3.9] | ug/L | 1 | 1.9 | 6.4 | 03/28/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | [1.4] | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 54 | mg/L | 1 | 0.033 | 0.12 | 04/04/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 55 | mg/L | 1 | 0.033 | 0.12 | 04/04/05 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RI/FS 25688375

NLS Project: 87976
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**NS-GW-MW15B-0305 NLS ID: 364481**
Ref. Line 6 COC 75704 NS-GW-MW15B-0305 Matrix: GW
Collected: 03/16/05 13:30 Received: 03/17/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 03/22/05 | SW846 7841 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 03/22/05 | SW846 7841 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 5.3 | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | 4.6 | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 03/31/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 03/31/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/18/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/23/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/19/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 03/25/05 | SW846 8270C | 721026460 |

NORTHERN [illegible]E SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 87976
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RI/FS 25688375

**NS-GW-MW16-0305 NLS ID: 364483**
Ref. Line 7 COC 75704 NS-GW-MW16-0305 Matrix: GW
Collected: 03/16/05 13:35 Received: 03/17/05

| Pararneter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | 0.25 | mg/L | 1 | 0.010 | 0.020 | 03/31/05 | SW846 6010 | 721026460 |
| Aluminum, tot. recoverable as Al by ICP-Trace | 24 | mg/L | 1 | 0.010 | 0.020 | 03/31/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | [6.0] | ug/L | 1 | 2.0 | 7.1 | 03/23/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [6.5] | ug/L | 1 | 2.0 | 7.1 | 03/23/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 1.6 | 5.6 | 03/28/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | ug/L | 1 | 1.6 | 5.6 | 03/28/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 1200 | ug/L | 1 | 2.5* | 5.0 | 03/31/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 1600 | ug/L | 1 | 2.5* | 5.0 | 03/31/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 03/31/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 5 | 0.85 | 2.5 | 04/01/05 | SW846 6010 | 721026460 |
| | Dilution was required to reduce matrix interferences. | | | | | | | |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 03/31/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 5 | 0.85 | 2.5 | 04/01/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 430 | mg/L | 1 | 0.15* | 0.30 | 03/31/05 | SW846 6010 | 721026460 |
| | The verification standard for calcium was outside of the 85-115% acceptance range at 115.8%. | | | | | | | |
| Calcium, tot. recoverable as Ca by ICP-Trace | 430 | mg/L | 5 | 0.75* | 1.5 | 04/01/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 4.0 | ug/L | 1 | 3.6* | | 03/17/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 43 | ug/L | 1 | 3.6* | | 04/04/05 | Calc. | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | 5.7 | ug/L | 1 | 0.45 | 1.4 | 03/31/05 | SW846 6010 | 721026460 |
| Chromium, tot recoverable as Cr by ICP-Trace | 47 | ug/L | 1 | 0.45 | 1.4 | 03/31/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | [1.2] | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | 17 | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | [2.0] | ug/L | 1 | 1.3 | 4.0 | 03/31/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | 36 | ug/L | 1 | 1.3 | 4.0 | 03/31/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 03/23/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 0.24 | mg/L | 1 | 0.033 | 0.10 | 03/31/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | 26 | mg/L | 1 | 0.033 | 0.10 | 03/31/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 5 | 5.2 | 17 | 04/01/05 | SW846 6010 | 721026460 |
| | Dilution was required to reduce matrix interferences. | | | | | | | |
| Lead, tot. recoverable as Pb by ICP-Trace | ND | ug/L | 5 | 5.2 | 17 | 04/01/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 180 | mg/L | 1 | 0.15* | 0.30 | 03/31/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 210 | mg/L | 1 | 0.15* | 0.30 | 03/31/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 2200 | ug/L | 1 | 1.0* | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 3300 | ug/L | 1 | 1.0* | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/24/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/24/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 9.1 | ug/L | 1 | 0.71 | 2.3 | 03/31/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | 35 | ug/L | 5 | 3.6 | 11 | 04/01/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 27 | mg/L | 5 | 1.8 | 6.6 | 04/04/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 46 | mg/L | 5 | 1.8 | 6.6 | 04/04/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 03/28/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 03/28/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | 4.9 | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | 5.6 | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 2200 | mg/L | 10 | 0.33 | 1.2 | 04/04/05 | SW846 6010 | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Project:** **Xcel RI/FS 25688375**

**NLS Project: 87976**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**NS-GW-MW16-0305 NLS ID: 364482**
Ref. Line 7 COC 75704 NS-GW-MW16-0305 Matrix: GW
Collected: 03/16/05 13:35 Received: 03/17/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Sodium, tot. recoverable as Na by ICP | 3000 | mg/L | 10 | 0.33 | 1.2 | 04/04/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | [5.5] | ug/L | 1 | 2.4 | 8.4 | 03/22/05 | SW846 7841 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | [5.7] | ug/L | 1 | 2.4 | 8.4 | 03/22/05 | SW846 7841 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [1.1] | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | 57 | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 5 | 25* | 50 | 04/01/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | 71 | ug/L | 1 | 5.0* | 10 | 03/31/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/18/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/24/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/19/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 03/25/05 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 87976
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RI/FS 25688375

**NS-GW-MW15-0305 NLS ID: 364483**
Ref. Line 8 COC 75704 NS-GW-MW15-0305 Matrix: GW
Collected: 03/16/05 13:50 Received: 03/17/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | 0.035 | mg/L | 1 | 0.010 | 0.020 | 03/31/05 | SW846 6010 | 721026460 |
| Aluminum, tot. recoverable as Al by ICP-Trace | 0.15 | mg/L | 1 | 0.010 | 0.020 | 03/31/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | [6.5] | ug/L | 1 | 2.0 | 7.1 | 03/23/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [4.2] | ug/L | 1 | 2.0 | 7.1 | 03/23/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | 14 | ug/L | 1 | 1.6 | 5.6 | 03/28/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 6.2 | ug/L | 1 | 1.6 | 5.6 | 03/28/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 330 | ug/L | 1 | 2.5* | 5.0 | 03/31/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 430 | ug/L | 1 | 2.5* | 5.0 | 03/31/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 03/31/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 5 | 0.85 | 2.5 | 04/01/05 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 5 | 0.85 | 2.5 | 04/01/05 | SW846 6010 | 721026460 |
| | Dilution was required to reduce matrix interferences. | | | | | | | |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 5 | 0.85 | 2.5 | 04/01/05 | SW846 6010 | 721026460 |
| | Dilution was required to reduce matrix interferences. | | | | | | | |
| Calcium, dis. as Ca by ICP-Trace | 220 | mg/L | 1 | 0.15* | 0.30 | 03/31/05 | SW846 6010 | 721026460 |
| | The verification standard for calcium was outside of the 85-115% acceptance range at 115.8%. | | | | | | | |
| Calcium, tot. recoverable as Ca by ICP-Trace | 170 | mg/L | 5 | 0.75* | 1.5 | 04/01/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 7.9 | ug/L | 1 | 3.6* | | 03/17/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 13 | ug/L | 1 | 3.6* | | 04/04/05 | Calc. | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | 9.7 | ug/L | 1 | 0.45 | 1.4 | 03/31/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | 21 | ug/L | 1 | 0.45 | 1.4 | 03/31/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | 2.5 | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 03/31/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | [2.4] | ug/L | 1 | 1.3 | 4.0 | 04/02/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | 4.6 | mg/L | 25 | 0.13 | 0.38 | 03/29/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 150 | mg/L | 1 | 0.033 | 0.10 | 03/31/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | 150 | mg/L | 1 | 0.033 | 0.10 | 03/31/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 03/31/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | ND | ug/L | 5 | 5.2 | 17 | 04/01/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 170 | mg/L | 1 | 0.15* | 0.30 | 03/31/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 50 | mg/L | 5 | 0.75* | 1.5 | 04/01/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 1700 | ug/L | 1 | 1.0* | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 4100 | ug/L | 1 | 1.0* | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | [0.036] | ug/L | 1 | 0.025* | 0.050 | 03/24/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/24/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 11 | ug/L | 1 | 0.71 | 2.3 | 03/31/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | [5.4] | ug/L | 5 | 3.6 | 11 | 04/01/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 33 | mg/L | 1 | 0.36 | 1.3 | 04/04/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 21 | mg/L | 1 | 0.36 | 1.3 | 04/04/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | [4.2] | ug/L | 1 | 1.9 | 6.4 | 03/28/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | [3.0] | ug/L | 1 | 1.9 | 6.4 | 03/28/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | 9.5 | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | 11 | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 52 | mg/L | 1 | 0.033 | 0.12 | 04/04/05 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
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400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RI/FS 25688375

NLS Project: 87976
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**NS-GW-MW15-0305 NLS ID: 364483**
Ref. Line 8 COC 75704 NS-GW-MW15-0305 Matrix: GW
Collected: 03/16/05 13:50 Received: 03/17/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Sodium, tot. recoverable as Na by ICP | 33 | mg/L | 1 | 0.033 | 0.12 | 04/04/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 03/22/05 | SW846 7841 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 03/22/05 | SW846 7841 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 13 | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | 8.9 | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 03/31/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | [8.9] | ug/L | 1 | 5.0* | 10 | 03/31/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/18/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/21/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/19/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 03/25/05 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 87976
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RI/FS 25688375

**NS-WQ-Dup2-0305 NLS ID: 364484**
Ref. Line 9 COC 75704 NS-WQ-Dup2-0305 Matrix: GW
Collected: 03/16/05 00:00 Received: 03/17/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | 0.026 | mg/L | 1 | 0.010 | 0.020 | 03/31/05 | SW846 6010 | 721026460 |
| Aluminum, tot. recoverable as Al by ICP-Trace | 0.031 | mg/L | 1 | 0.010 | 0.020 | 04/01/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | [2.7] | ug/L | 1 | 2.0 | 7.1 | 03/23/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [3.7] | ug/L | 1 | 2.0 | 7.1 | 03/23/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 1.6 | 5.6 | 03/28/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [4.9] | ug/L | 1 | 1.6 | 5.6 | 03/28/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 450 | ug/L | 1 | 2.5* | 5.0 | 03/31/05 | SW846 6010 | 721026460 |
| Barium tot. recoverable as Ba by ICP-Trace | 480 | ug/L | 1 | 2.5* | 5.0 | 03/31/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 03/31/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/01/05 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 03/31/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/01/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 110 | mg/L | 1 | 0.15* | 0.30 | 03/31/05 | SW846 6010 | 721026460 |
| | The verification standard for calcium was outside of the 85-115% acceptance range at 115.8%. | | | | | | | |
| Calcium, tot. recoverable as Ca by ICP-Trace | 100 | mg/L | 1 | 0.15* | 0.30 | 04/01/05 | SW846 6010 | 721026460 |
| | Batch 23 LFB recovery for Ca was outside of the 85-115% recovery range at 117.2%. | | | | | | | |
| Chromium, Hex. as Cr+6 | 6.6 | ug/L | 1 | 3.6* | | 03/17/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | ug/L | | 3.6* | | 04/04/05 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | |
| Chromium, dis. as Cr by ICP-Trace | 2.6 | ug/L | 1 | 0.45 | 1.4 | 03/31/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | [1.3] | ug/L | 1 | 0.45 | 1.4 | 03/31/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | 2.9 | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | [1.2] | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 03/31/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/02/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | 0.071 | mg/L | 1 | 0.0050 | 0.015 | 03/24/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 0.78 | mg/L | 1 | 0.033 | 0.10 | 03/31/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | 0.93 | mg/L | 1 | 0.033 | 0.10 | 03/31/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 03/31/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/01/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 62 | mg/L | 1 | 0.15* | 0.30 | 03/31/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 60 | mg/L | 1 | 0.15* | 0.30 | 03/31/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 180 | ug/L | 1 | 1.0* | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 180 | ug/L | 1 | 1.0* | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/24/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/24/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 3.7 | ug/L | 1 | 0.71 | 2.3 | 03/31/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | [2.0] | ug/L | 1 | 0.71 | 2.3 | 04/01/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 43 | mg/L | 5 | 1.8 | 6.6 | 04/04/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 8.6 | mg/L | 1 | 0.36 | 1.3 | 04/04/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 03/28/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 03/28/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | 3.0 | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | [1.4] | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 2500 | mg/L | 10 | 0.33 | 1.2 | 04/04/05 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RI/FS 25688375

NLS Project: 87976
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**NS-WQ-Dup2-0305 NLS ID: 364484**
Ref. Line 9 COC 75704 NS-WQ-Dup2-0305 Matrix: GW
Collected: 03/16/05 00:00 Received: 03/17/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Sodium, tot. recoverable as Na by ICP | 140 | mg/L | 1 | 0.033 | 0.12 | 04/04/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | [6.7] | ug/L | 1 | 2.4 | 8.4 | 03/22/05 | SW846 7841 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 03/22/05 | SW846 7841 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [1.7] | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | [0.74] | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 03/31/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 03/31/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/18/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/21/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/19/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 03/25/05 | SW846 8270C | 721026460 |

**NS-WQ-Trip Blank-0305 NLS ID: 364485**
Ref. Line COC 75704 NS-WQ-Trip Blank-0305 Matrix: TB
Collected: 03/16/05 00:00 Received: 03/17/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 03/21/05 | SW846 8260 | 721026460 |

NORTHERN [redacted] SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RI/FS 25688375

NLS Project: 87976
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

**NS-GW-MW5C-0305 MS/MSD NLS ID: 364486**
Ref. Line 1 COC 75701 NS-GW-MW5C-0305 MS/MSD Matrix: GW
Collected: 03/16/05 12:10 Received: 03/17/05
Notes: Hexavalent Chromium collected at 14:30

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis as Al by ICP-Trace | [0.011] | mg/L | 1 | 0.010 | 0.020 | 03/31/05 | SW846 6010 | 721026460 |
| Aluminum, tot. recoverable as Al by ICP-Trace | [0.014] | mg/L | 1 | 0.010 | 0.020 | 04/01/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 03/23/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [2.0] | ug/L | 1 | 2.0 | 7.1 | 03/23/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [2.7] | ug/L | 1 | 1.6 | 5.6 | 03/28/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [4.0] | ug/L | 1 | 1.6 | 5.6 | 03/28/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 110 | ug/L | 1 | 2.5* | 5.0 | 03/31/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 110 | ug/L | 1 | 2.5* | 5.0 | 03/31/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 03/31/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/01/05 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 03/31/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/01/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 21 | mg/L | 1 | 0.15* | 0.30 | 03/31/05 | SW846 6010 | 721026460 |
| | The verification standard for calcium was outside of the 85-115% acceptance range at 115.8%. | | | | | | | |
| Calcium, tot. recoverable as Ca by ICP-Trace | 19 | mg/L | 1 | 0.15* | 0.30 | 04/01/05 | SW846 6010 | 721026460 |
| | Batch 23 LFB recovery for Ca was outside of the 85-115% recovery range at 117.2%. | | | | | | | |
| Chromium, Hex. as Cr+6 | 5.3 | ug/L | 1 | 3.6* | | 03/17/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | ug/L | | 3.6* | | 04/04/05 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | |
| Chromium, dis. as Cr by ICP-Trace | [0.77] | ug/L | 1 | 0.45 | 1.4 | 03/31/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | [0.56] | ug/L | 1 | 0.45 | 1.4 | 03/31/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 03/31/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/02/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 03/23/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 03/31/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 03/31/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 03/31/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/01/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 7.2 | mg/L | 1 | 0.15* | 0.30 | 03/31/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 7.3 | mg/L | 1 | 0.15* | 0.30 | 03/31/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 16 | ug/L | 1 | 1.0* | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 19 | ug/L | 1 | 1.0* | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/24/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/24/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.71 | 2.3 | 03/31/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | ND | ug/L | 1 | 0.71 | 2.3 | 04/01/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.6 | mg/L | 1 | 0.36 | 1.3 | 04/04/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 4.4 | mg/L | 1 | 0.36 | 1.3 | 04/04/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 03/28/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 03/28/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | [0.69] | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
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# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 87976**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RI/FS 25688375**

**NS-GW-MW5C-0305 MS/MSD NLS ID: 364486**
Ref. Line 1 COC 75701 NS-GW-MW5C-0305 MS/MSD Matrix: GW
Collected: 03/16/05 12:10 Received: 03/17/05
Notes: Hexavalent Chromium collected at 14:30

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Sodium, dis. as Na | 14 | mg/L | 1 | 0.033 | 0.12 | 04/04/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 15 | mg/L | 1 | 0.033 | 0.12 | 04/04/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 03/22/05 | SW846 7841 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 03/22/05 | SW846 7841 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 03/31/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 03/31/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 03/31/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/18/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/21/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/19/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 03/25/05 | SW846 8270C | 721026460 |

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

*Authorized by:*
R. T. Krueger
President

# ANALYTICAL RESULTS: VOC's by EPA 8260 - Water (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88032**
**Project Description: Xcel R1FS 25688375**
**Project Title:** **Template: SAT2NSP Printed: 05/03/2005 15:32**

**Sample: 364744 NS-GW-MW2C-0305** **Collected: 03/17/05** **Analyzed: 03/22/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 18 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 108% | | | | |
| Toluene-d8 (SURR**) | 110% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

**Sample: 364745 NS-GW-MW2R-0305** **Collected: 03/17/05** **Analyzed: 03/22/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 2200 | ug/L | 400 | 57 | 190 |
| sec-Butylbenzene | ND | ug/L | 400 | 54 | 180 |
| Ethylbenzene | 1300 | ug/L | 400 | 67 | 220 |
| ortho-Xylene | 450 | ug/L | 400 | 86 | 290 |
| Styrene | ND | ug/L | 400 | 58 | 190 |
| Toluene | 1400 | ug/L | 400 | 100 | 330 |
| 1,2,4-Trimethylbenzene | [190] | ug/L | 400 | 62 | 210 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 400 | 59 | 200 |
| meta,para-Xylene | 790 | ug/L | 400 | 140 | 460 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 400 | 82 | 270 |
| Dibromofluoromethane (SURR**) | 99% | | | | |
| Toluene-d8 (SURR**) | 101% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

**Sample: 364746 NS-GW-MW2BR-0305** **Collected: 03/17/05** **Analyzed: 03/22/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 770 | ug/L | 500 | 71 | 240 |
| sec-Butylbenzene | ND | ug/L | 500 | 68 | 230 |
| Ethylbenzene | 670 | ug/L | 500 | 84 | 280 |
| ortho-Xylene | 1000 | ug/L | 500 | 110 | 360 |
| Styrene | 1700 | ug/L | 500 | 73 | 240 |
| Toluene | 4100 | ug/L | 500 | 120 | 420 |
| 1,2,4-Trimethylbenzene | 460 | ug/L | 500 | 78 | 260 |
| 1,3,5-Trimethylbenzene | [120] | ug/L | 500 | 74 | 250 |
| meta,para-Xylene | 2100 | ug/L | 500 | 170 | 580 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 500 | 100 | 340 |
| Dibromofluoromethane (SURR**) | 98% | | | | |
| Toluene-d8 (SURR**) | 100% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 97% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88032**

**Project Description: Xcel R1FS/25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 05/03/2005 15:32**

**Sample: 364747** **NS-GW-MW01-0305** **Collected: 03/17/05** **Analyzed: 03/22/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 1.1 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 113% | | | | |
| Toluene-d8 (SURR**) | 110% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 106% | | | | |

**Sample: 364748** **NS-GW-MW19A-0305** **Collected: 03/17/05** **Analyzed: 03/22/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 8700 | ug/L | 1000 | 140 | 480 |
| sec-Butylbenzene | ND | ug/L | 1000 | 140 | 450 |
| Ethylbenzene | [290] | ug/L | 1000 | 170 | 560 |
| ortho-Xylene | [710] | ug/L | 1000 | 220 | 720 |
| Styrene | 1800 | ug/L | 1000 | 150 | 490 |
| Toluene | 6400 | ug/L | 1000 | 250 | 830 |
| 1,2,4-Trimethylbenzene | [360] | ug/L | 1000 | 160 | 520 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1000 | 150 | 490 |
| meta,para-Xylene | 1400 | ug/L | 1000 | 350 | 1200 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1000 | 210 | 680 |
| Dibromofluoromethane (SURR**) | 96% | | | | |
| Toluene-d8 (SURR**) | 97% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 92% | | | | |

**Sample: 364749** **NS-GW-MW19B-0305** **Collected: 03/17/05** **Analyzed: 03/22/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 7100 | ug/L | 800 | 110 | 380 |
| sec-Butylbenzene | ND | ug/L | 800 | 110 | 360 |
| Ethylbenzene | [330] | ug/L | 800 | 130 | 450 |
| ortho-Xylene | 850 | ug/L | 800 | 170 | 580 |
| Styrene | 2400 | ug/L | 800 | 120 | 390 |
| Toluene | 8100 | ug/L | 800 | 200 | 660 |
| 1,2,4-Trimethylbenzene | [300] | ug/L | 800 | 120 | 410 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 800 | 120 | 390 |
| meta,para-Xylene | 1700 | ug/L | 800 | 280 | 930 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 800 | 160 | 550 |
| Dibromofluoromethane (SURR**) | 92% | | | | |
| Toluene-d8 (SURR**) | 95% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 93% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88032**

**Project Description: Xcel R1FS/25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 05/03/2005 15:32**

**Sample: 364750** **NS-GW-MW18A-0305** **Collected: 03/17/05** **Analyzed: 03/22/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 54000 | ug/L | 5000 | 710 | 2400 |
| sec-Butylbenzene | ND | ug/L | 5000 | 680 | 2300 |
| Ethylbenzene | 2800 | ug/L | 5000 | 840 | 2800 |
| ortho-Xylene | [1600] | ug/L | 5000 | 1100 | 3600 |
| Styrene | [2100] | ug/L | 5000 | 730 | 2400 |
| Toluene | 23000 | ug/L | 5000 | 1200 | 4200 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 5000 | 780 | 2600 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 5000 | 740 | 2500 |
| meta,para-Xylene | [3100] | ug/L | 5000 | 1700 | 5800 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 5000 | 1000 | 3400 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 109% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 108% | | | | |

**Sample: 364751** **NS-GW-MW18B-0305** **Collected: 03/17/05** **Analyzed: 03/22/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 1.7 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 101% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 95% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88032**

**Project Description: Xcel R1FS/25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 05/03/2005 15:32**

**Sample: 364752** **NS-GW-MW22A-0305** **Collected: 03/17/05** **Analyzed: 03/24/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 30000 | ug/L | 2500 | 360 | 1200 |
| sec-Butylbenzene | ND | ug/L | 2500 | 340 | 1100 |
| Ethylbenzene | [500] | ug/L | 2500 | 420 | 1400 |
| ortho-Xylene | [1200] | ug/L | 2500 | 540 | 1800 |
| Styrene | 3300 | ug/L | 2500 | 370 | 1200 |
| Toluene | 16000 | ug/L | 2500 | 620 | 2100 |
| 1,2,4-Trimethylbenzene | [460] | ug/L | 2500 | 390 | 1300 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 2500 | 370 | 1200 |
| meta,para-Xylene | [2500] | ug/L | 2500 | 870 | 2900 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 2500 | 510 | 1700 |
| Dibromofluoromethane (SURR**) | 101% | | | | |
| Toluene-d8 (SURR**) | 104% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

Matrix spike and matrix spike duplicate recoveries for Toluene could not be quantitated effectively due to sample matrix.

**Sample: 364753** **NS-GW-MW22B-0305** **Collected: 03/17/05** **Analyzed: 03/24/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 18 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 105% | | | | |
| Toluene-d8 (SURR**) | 100% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 98% | | | | |

Matrix spike and matrix spike duplicate recoveries for Toluene could not be quantitated effectively due to sample matrix.

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88032**
**Project Description: Xcel R1FS/25688375**
**Project Title:** **Template: SAT2NSP** **Printed: 05/03/2005 15:32**

**Sample: 364754** **NS-GW-MW14-0305** **Collected: 03/17/05** **Analyzed: 03/24/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 11000 | ug/L | 1000 | 140 | 480 |
| sec-Butylbenzene | ND | ug/L | 1000 | 140 | 450 |
| Ethylbenzene | 3100 | ug/L | 1000 | 170 | 560 |
| ortho-Xylene | 1100 | ug/L | 1000 | 220 | 720 |
| Styrene | ND | ug/L | 1000 | 150 | 490 |
| Toluene | 3300 | ug/L | 1000 | 250 | 830 |
| 1,2,4-Trimethylbenzene | [410] | ug/L | 1000 | 160 | 520 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1000 | 150 | 490 |
| meta,para-Xylene | 1900 | ug/L | 1000 | 350 | 1200 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1000 | 210 | 680 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 103% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 103% | | | | |

Matrix spike and matrix spike duplicate recoveries for Toluene could not be quantitated effectively due to sample matrix.

**Sample: 364755** **NS-WQDup3-0305** **Collected: 03/17/05** **Analyzed: 03/24/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [0.23] | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 9.0 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 105% | | | | |
| Toluene-d8 (SURR**) | 105% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

Matrix spike and matrix spike duplicate recoveries for Toluene could not be quantitated effectively due to sample matrix.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88032**

**Project Description: Xcel R1FS/25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 05/03/2005 15:32**

**Sample: 364756** **NS-WQTrip Blank 3-0305** **Collected: 03/17/05** **Analyzed: 03/24/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 1.7 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 100% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 98% | | | | |

Matrix spike and matrix spike duplicate recoveries for Toluene could not be quantitated effectively due to sample matrix.

** Surrogates are used to evaluate a method's Quality Control.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88032**

**Project Description: Xcel R1FS 25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 05/03/2005 15:32**

**Sample: 364744** **NS-GW-MW2C-0305** **Collected: 03/17/05** **Analyzed: 03/26/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | [1.4] | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| 2-Fluorophenol (SURR**) | 35% | | | | |
| Phenol-d5 (SURR**) | 22% | | | | |
| Nitrobenzene-d5 (SURR**) | 64% | | | | |
| 2-Fluorobiphenyl (SURR**) | 69% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 89% | | | | |
| Terphenyl-d14 (SURR**) | 53% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88032**
**Project Description: Xcel R1FS/25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 05/03/2005 15:32**

**Sample: 364745** **NS-GW-MW2R-0305** **Collected: 03/17/05** **Analyzed: 03/26/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [140] | ug/L | 100 | 110 | 360 |
| Acenaphthylene | ND | ug/L | 100 | 100 | 350 |
| Anthracene | ND | ug/L | 100 | 98 | 330 |
| Benzo[a]anthracene | ND | ug/L | 100 | 92 | 310 |
| Benzo[a]pyrene | ND | ug/L | 100 | 100 | 340 |
| Benzo[b]fluoranthene | ND | ug/L | 100 | 92 | 310 |
| Benzo[g,h,i]perylene | ND | ug/L | 100 | 100 | 340 |
| Benzo[k]fluoranthene | ND | ug/L | 100 | 120 | 390 |
| Chrysene | ND | ug/L | 100 | 100 | 340 |
| Dibenzo[a,h]anthracene | ND | ug/L | 100 | 99 | 330 |
| Dibenzofuran | ND | ug/L | 100 | 110 | 360 |
| Fluoranthene | ND | ug/L | 100 | 97 | 320 |
| Fluorene | ND | ug/L | 100 | 99 | 330 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 100 | 94 | 310 |
| 1-Methylnaphthalene | 450 | ug/L | 100 | 110 | 350 |
| 2-Methylnaphthalene | 540 | ug/L | 100 | 110 | 350 |
| 2-Methylphenol | ND | ug/L | 100 | 90 | 300 |
| 3 & 4-Methylphenol | ND | ug/L | 100 | 140 | 480 |
| Naphthalene | 3400 | ug/L | 100 | 110 | 360 |
| Phenanthrene | ND | ug/L | 100 | 98 | 330 |
| Phenol | ND | ug/L | 100 | 51 | 170 |
| Pyrene | ND | ug/L | 100 | 94 | 310 |
| Benzo[e]pyrene | ND | ug/L | 100 | 100 | 340 |
| 2-Fluorophenol (SURR**) | 38% | | | | |
| Phenol-d5 (SURR**) | 26% | | | | |
| Nitrobenzene-d5 (SURR**) | 73% | | | | |
| 2-Fluorobiphenyl (SURR**) | 92% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 60% | | | | |
| Terphenyl-d14 (SURR**) | 65% | | | | |

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88032**
**Project Description: Xcel R1FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 05/03/2005 15:32**

**Sample: 364746** **NS-GW-MW2BR-0305** **Collected: 03/17/05** **Analyzed: 03/26/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 125 | 130 | 440 |
| Acenaphthylene | [200] | ug/L | 125 | 130 | 440 |
| Anthracene | ND | ug/L | 125 | 120 | 410 |
| Benzo[a]anthracene | ND | ug/L | 125 | 110 | 380 |
| Benzo[a]pyrene | ND | ug/L | 125 | 130 | 430 |
| Benzo[b]fluoranthene | ND | ug/L | 125 | 110 | 380 |
| Benzo[g,h,i]perylene | ND | ug/L | 125 | 130 | 420 |
| Benzo[k]fluoranthene | ND | ug/L | 125 | 150 | 490 |
| Chrysene | ND | ug/L | 125 | 130 | 420 |
| Dibenzo[a,h]anthracene | ND | ug/L | 125 | 120 | 410 |
| Dibenzofuran | ND | ug/L | 125 | 140 | 450 |
| Fluoranthene | ND | ug/L | 125 | 120 | 410 |
| Fluorene | ND | ug/L | 125 | 120 | 410 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 125 | 120 | 390 |
| 1-Methylnaphthalene | 500 | ug/L | 125 | 130 | 440 |
| 2-Methylnaphthalene | 710 | ug/L | 125 | 130 | 440 |
| 2-Methylphenol | ND | ug/L | 125 | 110 | 370 |
| 3 & 4-Methylphenol | ND | ug/L | 125 | 180 | 600 |
| Naphthalene | 3600 | ug/L | 125 | 130 | 450 |
| Phenanthrene | ND | ug/L | 125 | 120 | 410 |
| Phenol | ND | ug/L | 125 | 63 | 210 |
| Pyrene | ND | ug/L | 125 | 120 | 390 |
| Benzo[e]pyrene | ND | ug/L | 125 | 130 | 430 |
| 2-Fluorophenol (SURR**) | 34% | | | | |
| Phenol-d5 (SURR**) | 20% | | | | |
| Nitrobenzene-d5 (SURR**) | 67% | | | | |
| 2-Fluorobiphenyl (SURR**) | 81% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 72% | | | | |
| Terphenyl-d14 (SURR**) | 60% | | | | |

A 10 fold dilution was performed during extraction.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88032**
**Project Description: Xcel R1FS/25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 05/03/2005 15:32**

**Sample: 364747** **NS-GW-MW01-0305** **Collected: 03/17/05** **Analyzed: 03/26/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| 2-Fluorophenol (SURR**) | 36% | | | | |
| Phenol-d5 (SURR**) | 25% | | | | |
| Nitrobenzene-d5 (SURR**) | 65% | | | | |
| 2-Fluorobiphenyl (SURR**) | 71% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 88% | | | | |
| Terphenyl-d14 (SURR**) | 54% | | | | |

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88032**
**Project Description: Xcel R1FS 25688375**
**Project Title:** **Template: 8270WNSP Printed: 05/03/2005 15:32**

**Sample: 364748 NS-GW-MW19A-0305** **Collected: 03/17/05** **Analyzed: 03/26/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 250 | 270 | 890 |
| Acenaphthylene | [270] | ug/L | 250 | 260 | 870 |
| Anthracene | ND | ug/L | 250 | 250 | 820 |
| Benzo[a]anthracene | ND | ug/L | 250 | 230 | 760 |
| Benzo[a]pyrene | ND | ug/L | 250 | 260 | 860 |
| Benzo[b]fluoranthene | ND | ug/L | 250 | 230 | 760 |
| Benzo[g,h,i]perylene | ND | ug/L | 250 | 250 | 840 |
| Benzo[k]fluoranthene | ND | ug/L | 250 | 290 | 980 |
| Chrysene | ND | ug/L | 250 | 250 | 840 |
| Dibenzo[a,h]anthracene | ND | ug/L | 250 | 250 | 830 |
| Dibenzofuran | ND | ug/L | 250 | 270 | 910 |
| Fluoranthene | ND | ug/L | 250 | 240 | 810 |
| Fluorene | ND | ug/L | 250 | 250 | 830 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 250 | 240 | 780 |
| 1-Methylnaphthalene | [770] | ug/L | 250 | 260 | 880 |
| 2-Methylnaphthalene | 1100 | ug/L | 250 | 260 | 880 |
| 2-Methylphenol | ND | ug/L | 250 | 220 | 750 |
| 3 & 4-Methylphenol | [360] | ug/L | 250 | 360 | 1200 |
| Naphthalene | 4600 | ug/L | 250 | 270 | 890 |
| Phenanthrene | ND | ug/L | 250 | 240 | 810 |
| Phenol | ND | ug/L | 250 | 130 | 420 |
| Pyrene | ND | ug/L | 250 | 230 | 780 |
| Benzo[e]pyrene | ND | ug/L | 250 | 260 | 860 |
| 2-Fluorophenol (SURR**) | 36% | | | | |
| Phenol-d5 (SURR**) | 22% | | | | |
| Nitrobenzene-d5 (SURR**) | 67% | | | | |
| 2-Fluorobiphenyl (SURR**) | 82% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 95% | | | | |
| Terphenyl-d14 (SURR**) | 63% | | | | |

A 50 fold dilution was performed during extraction.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88032**
**Project Description: Xcel R1FS/25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 05/03/2005 15:32**

**Sample: 364749** **NS-GW-MW19B-0305** **Collected: 03/17/05** **Analyzed: 03/26/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 210 | 710 |
| Acenaphthylene | ND | ug/L | 200 | 210 | 700 |
| Anthracene | ND | ug/L | 200 | 200 | 660 |
| Benzo[a]anthracene | ND | ug/L | 200 | 180 | 610 |
| Benzo[a]pyrene | ND | ug/L | 200 | 210 | 690 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 180 | 610 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 200 | 670 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 230 | 780 |
| Chrysene | ND | ug/L | 200 | 200 | 670 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 200 | 660 |
| Dibenzofuran | ND | ug/L | 200 | 220 | 730 |
| Fluoranthene | ND | ug/L | 200 | 190 | 650 |
| Fluorene | ND | ug/L | 200 | 200 | 660 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 190 | 630 |
| 1-Methylnaphthalene | [470] | ug/L | 200 | 210 | 700 |
| 2-Methylnaphthalene | [680] | ug/L | 200 | 210 | 710 |
| 2-Methylphenol | ND | ug/L | 200 | 180 | 600 |
| 3 & 4-Methylphenol | ND | ug/L | 200 | 290 | 960 |
| Naphthalene | 3800 | ug/L | 200 | 210 | 710 |
| Phenanthrene | ND | ug/L | 200 | 200 | 650 |
| Phenol | ND | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 190 | 620 |
| Benzo[e]pyrene | ND | ug/L | 200 | 210 | 690 |
| 2-Fluorophenol (SURR**) | 35% | | | | |
| Phenol-d5 (SURR**) | 22% | | | | |
| Nitrobenzene-d5 (SURR**) | 73% | | | | |
| 2-Fluorobiphenyl (SURR**) | 86% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 77% | | | | |
| Terphenyl-d14 (SURR**) | 65% | | | | |

A 10 fold dilution was performed during extraction.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88032**
**Project Description: Xcel R1FS/25688375**
**Project Title:** **Template: 8270WNSP Printed: 05/03/2005 15:32**

**Sample: 364750 NS-GW-MW18A-0305** **Collected: 03/17/05** **Analyzed: 03/26/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 210 | 710 |
| Acenaphthylene | ND | ug/L | 200 | 210 | 700 |
| Anthracene | ND | ug/L | 200 | 200 | 660 |
| Benzo[a]anthracene | ND | ug/L | 200 | 180 | 610 |
| Benzo[a]pyrene | ND | ug/L | 200 | 210 | 690 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 180 | 610 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 200 | 670 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 230 | 780 |
| Chrysene | ND | ug/L | 200 | 200 | 670 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 200 | 660 |
| Dibenzofuran | ND | ug/L | 200 | 220 | 730 |
| Fluoranthene | ND | ug/L | 200 | 190 | 650 |
| Fluorene | ND | ug/L | 200 | 200 | 660 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 190 | 630 |
| 1-Methylnaphthalene | [390] | ug/L | 200 | 210 | 700 |
| 2-Methylnaphthalene | [560] | ug/L | 200 | 210 | 710 |
| 2-Methylphenol | 2400 | ug/L | 200 | 180 | 600 |
| 3 & 4-Methylphenol | 3100 | ug/L | 200 | 290 | 960 |
| Naphthalene | 4100 | ug/L | 200 | 210 | 710 |
| Phenanthrene | ND | ug/L | 200 | 200 | 650 |
| Phenol | 460 | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 190 | 620 |
| Benzo[e]pyrene | ND | ug/L | 200 | 210 | 690 |
| 2-Fluorophenol (SURR**) | 35% | | | | |
| Phenol-d5 (SURR**) | 22% | | | | |
| Nitrobenzene-d5 (SURR**) | 71% | | | | |
| 2-Fluorobiphenyl (SURR**) | 87% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 80% | | | | |
| Terphenyl-d14 (SURR**) | 63% | | | | |

A 10 fold dilution was performed during extraction.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88032**
**Project Description: Xcel R1FS/25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 05/03/2005 15:32**

**Sample: 364751** **NS-GW-MW18B-0305** **Collected: 03/17/05** **Analyzed: 03/26/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| 2-Fluorophenol (SURR**) | 36% | | | | |
| Phenol-d5 (SURR**) | 23% | | | | |
| Nitrobenzene-d5 (SURR**) | 63% | | | | |
| 2-Fluorobiphenyl (SURR**) | 67% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 85% | | | | |
| Terphenyl-d14 (SURR**) | 55% | | | | |

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88032**
**Project Description: Xcel R1FS/25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 05/03/2005 15:32**

**Sample: 364752** **NS-GW-MW22A-0305** **Collected: 03/17/05** **Analyzed: 03/26/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 210 | 710 |
| Acenaphthylene | [290] | ug/L | 200 | 210 | 700 |
| Anthracene | ND | ug/L | 200 | 200 | 660 |
| Benzo[a]anthracene | ND | ug/L | 200 | 180 | 610 |
| Benzo[a]pyrene | ND | ug/L | 200 | 210 | 690 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 180 | 610 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 200 | 670 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 230 | 780 |
| Chrysene | ND | ug/L | 200 | 200 | 670 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 200 | 660 |
| Dibenzofuran | ND | ug/L | 200 | 220 | 730 |
| Fluoranthene | ND | ug/L | 200 | 190 | 650 |
| Fluorene | ND | ug/L | 200 | 200 | 660 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 190 | 630 |
| 1-Methylnaphthalene | 870 | ug/L | 200 | 210 | 700 |
| 2-Methylnaphthalene | 1200 | ug/L | 200 | 210 | 710 |
| 2-Methylphenol | [490] | ug/L | 200 | 180 | 600 |
| 3 & 4-Methylphenol | [840] | ug/L | 200 | 290 | 960 |
| Naphthalene | 5000 | ug/L | 200 | 210 | 710 |
| Phenanthrene | ND | ug/L | 200 | 200 | 650 |
| Phenol | [300] | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 190 | 620 |
| Benzo[e]pyrene | ND | ug/L | 200 | 210 | 690 |
| 2-Fluorophenol (SURR**) | 36% | | | | |
| Phenol-d5 (SURR**) | 23% | | | | |
| Nitrobenzene-d5 (SURR**) | 73% | | | | |
| 2-Fluorobiphenyl (SURR**) | 86% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 92% | | | | |
| Terphenyl-d14 (SURR**) | 67% | | | | |

A 20 fold dilution was performed during extraction.

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88032**
**Project Description: Xcel R1FS/25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 05/03/2005 15:32**

**Sample: 364753** **NS-GW-MW22B-0305** **Collected: 03/17/05** **Analyzed: 04/06/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | [1.5] | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| 2-Fluorophenol (SURR**) | 45% | | | | |
| Phenol-d5 (SURR**) | 29% | | | | |
| *Nitrobenzene-d5* (SURR**) | 75% | | | | |
| 2-Fluorobiphenyl (SURR**) | 85% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 100% | | | | |
| Terphenyl-d14 (SURR**) | 67% | | | | |

Sample extraction exceeded 7 day hold.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88032**
**Project Description: Xcel R1FS/25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 05/03/2005 15:32**

**Sample: 364754** **NS-GW-MW14-0305** **Collected: 03/17/05** **Analyzed: 04/06/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 210 | 710 |
| Acenaphthylene | ND | ug/L | 200 | 210 | 700 |
| Anthracene | ND | ug/L | 200 | 200 | 660 |
| Benzo[a]anthracene | ND | ug/L | 200 | 180 | 610 |
| Benzo[a]pyrene | ND | ug/L | 200 | 210 | 690 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 180 | 610 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 200 | 670 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 230 | 780 |
| Chrysene | ND | ug/L | 200 | 200 | 670 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 200 | 660 |
| Dibenzofuran | ND | ug/L | 200 | 220 | 730 |
| Fluoranthene | ND | ug/L | 200 | 190 | 650 |
| Fluorene | ND | ug/L | 200 | 200 | 660 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 190 | 630 |
| 1-Methylnaphthalene | 740 | ug/L | 200 | 210 | 700 |
| 2-Methylnaphthalene | 810 | ug/L | 200 | 210 | 710 |
| 2-Methylphenol | ND | ug/L | 200 | 180 | 600 |
| 3 & 4-Methylphenol | ND | ug/L | 200 | 290 | 960 |
| *Naphthalene* | *5500* | *ug/L* | *200* | *210* | *710* |
| Phenanthrene | ND | ug/L | 200 | 200 | 650 |
| Phenol | ND | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 190 | 620 |
| Benzo[e]pyrene | ND | ug/L | 200 | 210 | 690 |
| 2-Fluorophenol (SURR**) | 39% | | | | |
| Phenol-d5 (SURR**) | 24% | | | | |
| Nitrobenzene-d5 (SURR**) | 78% | | | | |
| 2-Fluorobiphenyl (SURR**) | 94% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 86% | | | | |
| Terphenyl-d14 (SURR**) | 68% | | | | |

Sample extraction exceeded 7 day hold.
A 10 fold dilution was performed during extraction.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88032**
**Project Description: Xcel R1FS/25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 05/03/2005 15:32**

**Sample: 364755** **NS-WQDup3-0305** **Collected: 03/17/05** **Analyzed: 03/26/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | [1.4] | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| 2-Fluorophenol (SURR**) | 37% | | | | |
| Phenol-d5 (SURR**) | 24% | | | | |
| Nitrobenzene-d5 (SURR**) | 65% | | | | |
| 2-Fluorobiphenyl (SURR**) | 70% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 86% | | | | |
| Terphenyl-d14 (SURR**) | 53% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

NORTHERN [illegible]E SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88032
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1FS/25688375

**NS-GW-MW2C-0305 NLS ID: 364741**
Ref. Line 1 COC 75706 NS-GW-MW2C-0305 Matrix: GW
Collected: 03/17/05 08:45 Received: 03/18/05
Notes: Hexavalent Chromium Collected @13:40

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.010 | 0.020 | 04/02/05 | SW846 6010 | 721026460 |
| Aluminum, tot. recoverable as Al by ICP-Trace | 0.033 | mg/L | 1 | 0.010 | 0.020 | 04/03/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 04/06/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 04/06/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [2.2] | ug/L | 1 | 0.85 | 3.0 | 04/05/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | ug/L | 1 | 1.6 | 5.6 | 04/05/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 110 | ug/L | 1 | 2.5* | 5.0 | 04/02/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 100 | ug/L | 1 | 2.5* | 5.0 | 04/02/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/02/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/04/05 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/02/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | [0.20] | ug/L | 1 | 0.17 | 0.50 | 04/02/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 42 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 38 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 5.5 | ug/L | 1 | 3.6* | | 03/18/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | ug/L | | 3.6* | | 04/04/05 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | |
| Chromium, dis. as Cr by ICP-Trace | [0.67] | ug/L | 1 | 0.45 | 1.4 | 04/02/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | [1.0] | ug/L | 1 | 0.45 | 1.4 | 04/02/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/02/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/03/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 03/24/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | [0.077] | mg/L | 1 | 0.033 | 0.10 | 04/03/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 04/03/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/02/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/02/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 14 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 13 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 180 | ug/L | 1 | 1.0* | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 180 | ug/L | 1 | 1.0* | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/29/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/29/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [0.86] | ug/L | 1 | 0.71 | 2.3 | 04/02/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | ND | ug/L | 1 | 0.71 | 2.3 | 04/03/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 6.9 | mg/L | 1 | 0.36 | 1.3 | 04/07/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 6.0 | mg/L | 1 | 0.36 | 1.3 | 04/07/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 04/07/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 04/07/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | [1.6] | ug/L | 1 | 0.67 | 2.0 | 04/03/05 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 110 | mg/L | 1 | 0.033 | 0.12 | 04/07/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 40 | mg/L | 1 | 0.033 | 0.12 | 04/07/05 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 88032
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel R1FS/25688375

**NS-GW-MW2C-0305 NLS ID: 364744**
Ref. Line 1 COC 75706 NS-GW-MW2C-0305 Matrix: GW
Collected: 03/17/05 08:45 Received: 03/18/05
Notes: Hexavalent Chromium Collected @13:40

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/01/05 | SW846 7841 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/01/05 | SW846 7841 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [1.4] | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | [1.3] | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [7.6] | ug/L | 1 | 5.0* | 10 | 04/02/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 04/02/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/18/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/22/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/21/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 03/26/05 | SW846 8270C | 721026460 |

NORTHERN [illegible]E SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel R1FS/25688375

NLS Project: 88032
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

**NS-GW-MW2R-0305 NLS ID: 364745**
Ref. Line 2 COC 75706 NS-GW-MW2R-0305 Matrix: GW
Collected: 03/17/05 09:00 Received: 03/18/05
Notes: Hexavalent Chromium Collected @13:50

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | 0.029 | mg/L | 1 | 0.010 | 0.020 | 04/03/05 | SW846 6010 | 721026460 |
| | Batch 26 prep blank was contaminated with Al at 0.018 mg/L. | | | | | | | |
| Aluminum, tot. recoverable as Al by ICP-Trace | 0.28 | mg/L | 1 | 0.010 | 0.020 | 04/02/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | [2.7] | ug/L | 1 | 2.0 | 7.1 | 04/06/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [3.1] | ug/L | 1 | 2.0 | 7.1 | 04/06/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [2.9] | ug/L | 1 | 0.85 | 3.0 | 04/05/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [4.7] | ug/L | 1 | 1.6 | 5.6 | 04/05/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 480 | ug/L | 1 | 2.5* | 5.0 | 04/02/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 490 | ug/L | 1 | 2.5* | 5.0 | 04/02/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/02/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/03/05 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/02/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/02/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 220 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 220 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 6.8 | ug/L | 1 | 3.6* | | 03/18/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | ug/L | | 3.6* | | 04/04/05 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | |
| Chromium, dis. as Cr by ICP-Trace | 2.4 | ug/L | 1 | 0.45 | 1.4 | 04/02/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | 2.1 | ug/L | 1 | 0.45 | 1.4 | 04/02/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | [1.3] | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/02/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | [3.8] | ug/L | 1 | 1.3 | 4.0 | 04/04/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | 0.097 | mg/L | 1 | 0.0050 | 0.015 | 03/24/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 62 | mg/L | 1 | 0.033 | 0.10 | 04/02/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | 54 | mg/L | 1 | 0.033 | 0.10 | 04/02/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [1.9] | ug/L | 1 | 1.0 | 3.3 | 04/02/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | 5.2 | ug/L | 1 | 1.0 | 3.3 | 04/02/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 55 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 54 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 5500 | ug/L | 1 | 1.0* | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 5600 | ug/L | 1 | 1.0* | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/29/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/29/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 6.7 | ug/L | 1 | 0.71 | 2.3 | 04/02/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | 26 | ug/L | 1 | 0.71 | 2.3 | 04/02/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 13 | mg/L | 1 | 0.36 | 1.3 | 04/07/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 14 | mg/L | 1 | 0.36 | 1.3 | 04/07/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 04/07/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 04/07/05 | SW846 7740 | 721026460 |
| Silver dis. as Ag by ICP-Trace | 5.0 | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Silver tot. recoverable as Ag by ICP-Trace | 4.5 | ug/L | 1 | 0.67 | 2.0 | 04/03/05 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 63 | mg/L | 1 | 0.033 | 0.12 | 04/07/05 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88032
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1FS/25688375

**NS-GW-MW2R-0305 NLS ID: 364745**
Ref. Line 2 COC 75706 NS-GW-MW2R-0305 Matrix: GW
Collected: 03/17/05 09:00 Received: 03/18/05
Notes: Hexavalent Chromium Collected @13:50

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Sodium, tot. recoverable as Na by ICP | 69 | mg/L | 1 | 0.033 | 0.12 | 04/07/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/01/05 | SW846 7841 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/01/05 | SW846 7841 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [1.6] | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | 2.3 | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [5.5] | ug/L | 1 | 5.0* | 10 | 04/02/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | 110 | ug/L | 1 | 5.0* | 10 | 04/02/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/18/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/22/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/21/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 03/26/05 | SW846 8270C | 721026460 |

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# ANALYTICAL [illegible]PORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 88032
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel R1FS/25688375

**NS-GW-MW2BR-0305 NLS ID: 364746**
Ref. Line 3 COC 75706 NS-GW-MW2BR-0305 Matrix: GW
Collected: 03/17/05 09:15 Received: 03/18/05
Notes: Hexavalent Chromium Collected @ 13:45

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.010 | 0.020 | 04/02/05 | SW846 6010 | 721026460 |
| Aluminum, tot. recoverable as Al by ICP-Trace | 0.16 | mg/L | 1 | 0.010 | 0.020 | 04/02/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 04/06/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 04/06/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 0.85 | 3.0 | 04/05/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | ug/L | 1 | 1.6 | 5.6 | 04/05/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 72 | ug/L | 1 | 2.5* | 5.0 | 04/02/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 78 | ug/L | 1 | 2.5* | 5.0 | 04/02/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/02/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/03/05 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/02/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/02/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 23 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 24 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 5.5 | ug/L | 1 | 3.6* | | 03/18/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | ug/L | | 3.6* | | 04/04/05 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | |
| Chromium, dis. as Cr by ICP-Trace | [0.64] | ug/L | 1 | 0.45 | 1.4 | 04/02/05 | SW846 6010 | 721026460 |
| Chromium, tot recoverable as Cr by ICP-Trace | [0.62] | ug/L | 1 | 0.45 | 1.4 | 04/02/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/02/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/04/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.0080] | mg/L | 1 | 0.0050 | 0.015 | 03/24/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 0.13 | mg/L | 1 | 0.033 | 0.10 | 04/03/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | 0.38 | mg/L | 1 | 0.033 | 0.10 | 04/02/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/02/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/02/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 8.5 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 8.6 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 120 | ug/L | 1 | 1.0* | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 130 | ug/L | 1 | 1.0* | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/29/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/29/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.8] | ug/L | 1 | 0.71 | 2.3 | 04/02/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | [1.6] | ug/L | 1 | 0.71 | 2.3 | 04/03/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.5 | mg/L | 1 | 0.36 | 1.3 | 04/07/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 4.8 | mg/L | 1 | 0.36 | 1.3 | 04/07/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 04/07/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 04/07/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 32 | mg/L | 1 | 0.033 | 0.12 | 04/07/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 38 | mg/L | 1 | 0.033 | 0.12 | 04/07/05 | SW846 6010 | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 88032
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel R1FS/25688375

**NS-GW-MW2BR-0305 NLS ID: 364746**
Ref. Line 3 COC 75706 NS-GW-MW2BR-0305 Matrix: GW
Collected: 03/17/05 09:15 Received: 03/18/05
Notes: Hexavalent Chromium Collected @13:45

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/01/05 | SW846 7841 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/01/05 | SW846 7841 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | [1.0] | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [8.7] | ug/L | 1 | 5.0* | 10 | 04/02/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | [5.8] | ug/L | 1 | 5.0* | 10 | 04/02/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/18/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/22/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/21/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 03/26/05 | SW846 8270C | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88032
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1FS/25688375

**NS-GW-MW01-0305 NLS ID: 364747**
Ref. Line 4 COC 75706 NS-GW-MW01-0305 Matrix: GW
Collected: 03/17/05 09:55 Received: 03/18/05
Notes Hexavalent Chromium Collected @14:20

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | 0.023 | mg/L | 1 | 0.010 | 0.020 | 04/03/05 | SW846 6010 | 721026460 |
| | Batch 26 prep blank was contaminated with Al at 0.018 mg/L. | | | | | | | |
| Aluminum, tot. recoverable as Al by ICP-Trace | 11 | mg/L | 1 | 0.010 | 0.020 | 04/02/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | [4.9] | ug/L | 1 | 2.0 | 7.1 | 04/06/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [6.8] | ug/L | 1 | 2.0 | 7.1 | 04/06/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [2.3] | ug/L | 1 | 0.85 | 3.0 | 04/05/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | ug/L | 1 | 1.6 | 5.6 | 04/05/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 850 | ug/L | 1 | 2.5* | 5.0 | 04/02/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 1600 | ug/L | 1 | 2.5* | 5.0 | 04/02/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/02/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/03/05 | SW846 6010 | 721026460 |
| | Dilution was required to reduce matrix interferences. | | | | | | | |
| Cadmium, dis. as Cd by ICP-Trace | 0.84 | ug/L | 1 | 0.17 | 0.50 | 04/02/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | 1.0 | ug/L | 1 | 0.17 | 0.50 | 04/02/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 330 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 570 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 03/18/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 16 | ug/L | 1 | 3.6* | | 04/04/05 | Calc. | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | 1.6 | ug/L | 1 | 0.45 | 1.4 | 04/02/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | 16 | ug/L | 1 | 0.45 | 1.4 | 04/02/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | 2.3 | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | 8.5 | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/02/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | 21 | ug/L | 1 | 1.3 | 4.0 | 04/02/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 03/24/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 0.85 | mg/L | 1 | 0.033 | 0.10 | 04/02/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | 15 | mg/L | 1 | 0.033 | 0.10 | 04/02/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/02/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | 8.9 | ug/L | 1 | 1.0 | 3.3 | 04/02/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 140 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 220 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 1300 | ug/L | 1 | 1.0* | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 2800 | ug/L | 1 | 1.0* | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/29/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/29/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 3.7 | ug/L | 1 | 0.71 | 2.3 | 04/02/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | 14 | ug/L | 1 | 0.71 | 2.3 | 04/03/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 23 | mg/L | 1 | 0.36 | 1.3 | 04/07/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 32 | mg/L | 1 | 0.36 | 1.3 | 04/07/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 2 | 3.7 | 13 | 04/07/05 | SW846 7740 | 721026460 |
| | Sample required a dilution to overcome negative interference encountered during analysis. | | | | | | | |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 04/07/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | [1.4] | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | [1.9] | ug/L | 1 | 0.67 | 2.0 | 04/03/05 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel R1FS/25688375

NLS Project: 88032
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**NS-GW-MW01-0305 NLS ID: 364747**
Ref. Line 4 COC 75706 NS-GW-MW01-0305 Matrix: GW
Collected: 03/17/05 09:55 Received: 03/18/05
Notes: Hexavalent Chromium Collected @14:20

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Sodium, dis. as Na | 1500 | mg/L | 10 | 0.33 | 1.2 | 04/07/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 2100 | mg/L | 10 | 0.33 | 1.2 | 04/07/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 2 | 4.7 | 17 | 04/01/05 | SW846 7841 | 721026460 |
| | Matrix spike and spike duplicate recoveries associated with this batch were outside of NLS in-house control limits at 52.6 % and 57.1 % respectively. | | | | | | | |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/01/05 | SW846 7841 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 5.2 | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | 21 | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | 19 | ug/L | 1 | 5.0* | 10 | 04/02/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | 41 | ug/L | 1 | 5.0* | 10 | 04/02/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/18/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/22/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/21/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 03/26/05 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88032
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1FS/25688375

**NS-GW-MW19A-0305 NLS ID: 364748**
Ref. Line 5 COC 75706 NS-GW-MW19A-0305 Matrix: GW
Collected: 03/17/05 10:10 Received: 03/18/05
Notes: Hexavalent Chromium Collected @14:05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.010 | 0.020 | 04/02/05 | SW846 6010 | 721026460 |
| Aluminum, tot. recoverable as Al by ICP-Trace | 0.28 | mg/L | 1 | 0.010 | 0.020 | 04/02/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 04/06/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [4.2] | ug/L | 1 | 2.0 | 7.1 | 04/06/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [2.8] | ug/L | 1 | 0.85 | 3.0 | 04/05/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.5] | ug/L | 1 | 1.6 | 5.6 | 04/05/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 270 | ug/L | 1 | 2.5* | 5.0 | 04/02/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 300 | ug/L | 1 | 2.5* | 5.0 | 04/02/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/02/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/03/05 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | [0.20] | ug/L | 1 | 0.17 | 0.50 | 04/02/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/02/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 95 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 110 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 03/18/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 04/04/05 | Calc. | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.49] | ug/L | 1 | 0.45 | 1.4 | 04/02/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | [0.86] | ug/L | 1 | 0.45 | 1.4 | 04/02/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/02/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | [2.0] | ug/L | 1 | 1.3 | 4.0 | 04/04/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.013] | mg/L | 1 | 0.0050 | 0.015 | 03/24/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | [0.044] | mg/L | 1 | 0.033 | 0.10 | 04/03/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | 0.35 | mg/L | 1 | 0.033 | 0.10 | 04/02/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/02/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/02/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 54 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 59 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 200 | ug/L | 1 | 1.0* | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 250 | ug/L | 1 | 1.0* | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/29/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/29/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [0.72] | ug/L | 1 | 0.71 | 2.3 | 04/02/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | ND | ug/L | 1 | 0.71 | 2.3 | 04/03/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 12 | mg/L | 1 | 0.36 | 1.3 | 04/07/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 13 | mg/L | 1 | 0.36 | 1.3 | 04/07/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 04/07/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 04/07/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 39 | mg/L | 1 | 0.033 | 0.12 | 04/07/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 41 | mg/L | 1 | 0.033 | 0.12 | 04/07/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/01/05 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 88032
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel R1FS/25688375

**NS-GW-MW19A-0305 NLS ID: 364748**
Ref. Line 5 COC 75706 NS-GW-MW19A-0305 Matrix: GW
Collected: 03/17/05 10:10 Received: 03/18/05
Notes: Hexavalent Chromium Collected @14:05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/01/05 | SW846 7841 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [1.3] | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | [1.7] | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 04/02/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 04/02/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/18/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/22/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/21/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 03/26/05 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 88032
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel R1FS/25688375

**NS-GW-MW19B-0305 NLS ID: 364749**
Ref. Line 6 COC 75706 NS-GW-MW19B-0305 Matrix: GW
Collected: 03/17/05 10:20 Received: 03/13/05
Notes: Hexavalent Chromium Collected @ 14:10

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.010 | 0.020 | 04/03/05 | SW846 6010 | 721026460 |
| Aluminum, tot. recoverable as Al by ICP-Trace | ND | mg/L | 1 | 0.010 | 0.020 | 04/02/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 04/06/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 04/06/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | 3.6 | ug/L | 1 | 0.85 | 3.0 | 04/05/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [4.1] | ug/L | 1 | 1.6 | 5.6 | 04/05/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 200 | ug/L | 1 | 2.5* | 5.0 | 04/02/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 200 | ug/L | 1 | 2.5* | 5.0 | 04/02/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/02/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/03/05 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/02/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/02/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 52 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 52 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 03/18/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 5.8 | ug/L | 1 | 3.6* | | 04/04/05 | Calc. | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.70] | ug/L | 1 | 0.45 | 1.4 | 04/02/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | 5.8 | ug/L | 1 | 0.45 | 1.4 | 04/02/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/02/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/04/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 03/24/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | [0.042] | mg/L | 1 | 0.033 | 0.10 | 04/03/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | [0.082] | mg/L | 1 | 0.033 | 0.10 | 04/03/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/02/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/02/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 26 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 26 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 100 | ug/L | 1 | 1.0* | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 99 | ug/L | 1 | 1.0* | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/29/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/29/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.71 | 2.3 | 04/02/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | ND | ug/L | 1 | 0.71 | 2.3 | 04/02/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.3 | mg/L | 1 | 0.36 | 1.3 | 04/07/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 4.5 | mg/L | 1 | 0.36 | 1.3 | 04/07/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 04/07/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 04/07/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | [0.85] | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | [0.92] | ug/L | 1 | 0.67 | 2.0 | 04/03/05 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 20 | mg/L | 1 | 0.033 | 0.12 | 04/07/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 22 | mg/L | 1 | 0.033 | 0.12 | 04/07/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/01/05 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88032
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1FS/25688375

**NS-GW-MW19B-0305 NLS ID: 364749**
Ref. Line 6 COC 75706 NS-GW-MW19B-0305 Matrix: GW
Collected: 03/17/05 10:20 Received: 03/18/05
Notes: Hexavalent Chromium Collected @14:10

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/01/05 | SW846 7841 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 04/02/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 04/02/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/18/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/22/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/21/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 03/26/05 | SW846 8270C | 721026460 |

NORTHERN[illegible]E SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL [illegible]PORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88032
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: *Xcel R1FS/25688375*

**NS-GW-MW18A-0305 NLS ID: 364750**
Ref. Line 7 COC 75706 NS-GW-MW18A-0305 Matrix: GW
Collected: 03/17/05 11:00 Received: 03/18/05
Notes: Hexavalent Chromium Collected @: 4:25

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | [0.010] | mg/L | 1 | 0.010 | 0.020 | 04/02/05 | SW846 6010 | 721026460 |
| Aluminum, tot. recoverable as Al by ICP-Trace | 1.4 | mg/L | 1 | 0.010 | 0.020 | 04/02/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 04/06/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 04/06/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [2.4] | ug/L | 1 | 0.85 | 3.0 | 04/05/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.4] | ug/L | 1 | 1.6 | 5.6 | 04/05/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 180 | ug/L | 1 | 2.5* | 5.0 | 04/02/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 190 | ug/L | 1 | 2.5* | 5.0 | 04/02/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/02/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/04/05 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/02/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/02/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 57 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 57 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 03/18/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 04/04/05 | Calc. | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [1.1] | ug/L | 1 | 0.45 | 1.4 | 04/02/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | 3.2 | ug/L | 1 | 0.45 | 1.4 | 04/02/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | [0.83] | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/02/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | 5.9 | ug/L | 1 | 1.3 | 4.0 | 04/04/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 03/24/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | [0.034] | mg/L | 1 | 0.033 | 0.10 | 04/03/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | 1.6 | mg/L | 1 | 0.033 | 0.10 | 04/02/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/02/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | [1.1] | ug/L | 1 | 1.0 | 3.3 | 04/02/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 27 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 27 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 270 | ug/L | 1 | 1.0* | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 290 | ug/L | 1 | 1.0* | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/29/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/29/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.4] | ug/L | 1 | 0.71 | 2.3 | 04/02/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | 2.9 | ug/L | 1 | 0.71 | 2.3 | 04/03/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 5.4 | mg/L | 1 | 0.36 | 1.3 | 04/07/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 5.8 | mg/L | 1 | 0.36 | 1.3 | 04/07/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 04/07/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 04/07/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | [1.6] | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | [0.96] | ug/L | 1 | 0.67 | 2.0 | 04/03/05 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 27 | mg/L | 1 | 0.033 | 0.12 | 04/07/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 26 | mg/L | 1 | 0.033 | 0.12 | 04/07/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/01/05 | SW846 7841 | 721026460 |

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Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 88032
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel R1FS/25688375

**NS-GW-MW18A-0305 NLS ID: 364750**
Ref. Line 7 COC 75706 NS-GW-MW18A-0305 Matrix: GW
Collected: 03/17/05 11:00 Received: 03/18/05
Notes: Hexavalent Chromium Collected @14:25

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/01/05 | SW846 7841 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [0.93] | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | 4.3 | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 04/02/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | 16 | ug/L | 1 | 5.0* | 10 | 04/02/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/18/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/22/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/21/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 03/26/05 | SW846 8270C | 721026460 |

NORTHERN [illegible]E SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL [illegible]PORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88032
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1FS/25688375

**NS-GW-MW18B-0305 NLS ID: 364751**
Ref. Line 8 COC 75706 NS-GW-MW18B-0305 Matrix: GW
Collected: 03/17/05 10:50 Received: 03/18/05
Notes: Hexavalent Chromium Collected @: 4:25

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.010 | 0.020 | 04/02/05 | SW846 6010 | 721026460 |
| Aluminum, tot. recoverable as Al by ICP-Trace | 0.26 | mg/L | 1 | 0.010 | 0.020 | 04/03/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 04/06/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 04/06/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 0.85 | 3.0 | 04/05/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | ug/L | 1 | 1.6 | 5.6 | 04/05/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 100 | ug/L | 1 | 2.5* | 5.0 | 04/02/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 110 | ug/L | 1 | 2.5* | 5.0 | 04/02/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/02/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/04/05 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/02/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/02/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 20 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 20 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 03/18/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 04/04/05 | Calc. | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [1.0] | ug/L | 1 | 0.45 | 1.4 | 04/02/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | [1.1] | ug/L | 1 | 0.45 | 1.4 | 04/02/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/02/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | [2.1] | ug/L | 1 | 1.3 | 4.0 | 04/04/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 03/24/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 04/02/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | 0.26 | mg/L | 1 | 0.033 | 0.10 | 04/02/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/02/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/02/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 7.5 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 7.3 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 24 | ug/L | 1 | 1.0* | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 25 | ug/L | 1 | 1.0* | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/29/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/29/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.71 | 2.3 | 04/02/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | ND | ug/L | 1 | 0.71 | 2.3 | 04/03/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 3.6 | mg/L | 1 | 0.36 | 1.3 | 04/07/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 3.4 | mg/L | 1 | 0.36 | 1.3 | 04/07/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 04/07/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 04/07/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | [1.1] | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | [1.2] | ug/L | 1 | 0.67 | 2.0 | 04/03/05 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 15 | mg/L | 1 | 0.033 | 0.12 | 04/07/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 15 | mg/L | 1 | 0.033 | 0.12 | 04/07/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/01/05 | SW846 7841 | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 88032
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1FS/25688375

**NS-GW-MW18B-0305 NLS ID: 364751**
Ref. Line 8 COC 75706 NS-GW-MW18B-0305 Matrix: GW
Collected: 03/17/05 10:50 Received: 03/18/05
Notes: Hexavalent Chromium Collected @14:25

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/01/05 | SW846 7841 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [1.0] | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | [1.2] | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 04/02/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | [5.4] | ug/L | 1 | 5.0* | 10 | 04/02/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/18/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/22/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/21/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 03/26/05 | SW846 8270C | 721026460 |

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400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel R1FS/25688375

NLS Project: 88032
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**NS-GW-MW22A-0305 NLS ID: 364752**
Ref. Line 9 COC 75706 NS-GW-MW22A-0305 Matrix: GW
Collected: 03/17/05 13:05 Received: 03/18/05
Notes: Hexavalent Chromium Collected @ 13:05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | [0.011] | mg/L | 1 | 0.010 | 0.020 | 04/03/05 | SW846 6010 | 721026460 |
| | Batch 26 prep blank was contaminated with Al at 0.018 mg/L. | | | | | | | |
| Aluminum, tot recoverable as Al by ICP-Trace | 3.3 | mg/L | 1 | 0.010 | 0.020 | 04/02/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | [2.8] | ug/L | 1 | 2.0 | 7.1 | 04/06/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [2.3] | ug/L | 1 | 2.0 | 7.1 | 04/06/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | 3.5 | ug/L | 1 | 0.85 | 3.0 | 04/05/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [4.8] | ug/L | 1 | 1.6 | 5.6 | 04/05/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 1000 | ug/L | 1 | 2.5* | 5.0 | 04/02/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 910 | ug/L | 1 | 2.5* | 5.0 | 04/02/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/02/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 2 | 0.34 | 1.0 | 04/04/05 | SW846 6010 | 721026460 |
| | Dilution was required to reduce matrix interferences. | | | | | | | |
| Cadmium, dis. as Cd by ICP-Trace | [0.37] | ug/L | 1 | 0.17 | 0.50 | 04/02/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | [0.42] | ug/L | 1 | 0.17 | 0.50 | 04/02/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 130 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 130 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 17 | ug/L | 1 | 3.6* | | 03/18/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | ug/L | | 3.6* | | 04/04/05 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | |
| Chromium, dis. as Cr by ICP-Trace | ND | ug/L | 1 | 0.45 | 1.4 | 04/02/05 | SW846 6010 | 721026460 |
| Chromium, tot recoverable as Cr by ICP-Trace | 7.9 | ug/L | 1 | 0.45 | 1.4 | 04/02/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | 3.2 | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | 4.3 | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | [2.3] | ug/L | 1 | 1.3 | 4.0 | 04/02/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | 31 | ug/L | 1 | 1.3 | 4.0 | 04/02/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | 0.080 | mg/L | 1 | 0.0050 | 0.015 | 03/24/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 1.3 | mg/L | 1 | 0.033 | 0.10 | 04/02/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | 4.8 | mg/L | 1 | 0.033 | 0.10 | 04/02/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [1.7] | ug/L | 1 | 1.0 | 3.3 | 04/02/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | [1.9] | ug/L | 1 | 1.0 | 3.3 | 04/02/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 69 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 68 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 1500 | ug/L | 1 | 1.0* | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 1500 | ug/L | 1 | 1.0* | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/29/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/29/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 4.2 | ug/L | 1 | 0.71 | 2.3 | 04/02/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | 8.2 | ug/L | 1 | 0.71 | 2.3 | 04/03/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 20 | mg/L | 1 | 0.36 | 1.3 | 04/07/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 19 | mg/L | 1 | 0.36 | 1.3 | 04/07/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 04/07/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 04/07/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | [1.3] | ug/L | 1 | 0.67 | 2.0 | 04/03/05 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 88032
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel R1FS/25688375

**NS-GW-MW22A-0305 NLS ID: 364752**
Ref. Line 9 COC 75706 NS-GW-MW22A-0305 Matrix: GW
Collected: 03/17/05 13:05 Received: 03/18/05
Notes: Hexavalent Chromium Collected @13:05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Sodium, dis. as Na | 710 | mg/L | 10 | 0.33 | 1.2 | 04/07/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 610 | mg/L | 10 | 0.33 | 1.2 | 04/07/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/01/05 | SW846 7841 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/01/05 | SW846 7841 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 2.5 | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | 9.9 | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | 17 | ug/L | 1 | 5.0* | 10 | 04/02/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | 40 | ug/L | 1 | 5.0* | 10 | 04/02/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/18/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/24/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/21/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 03/26/05 | SW846 8270C | 721026460 |

NORTHERN [redacted]E SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 88032
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel R1FS/25688375

**NS-GW-MW22B-0305 NLS ID: 364753**
Ref. Line 10 COC 75706 NS-GW-MW22B-0305 Matrix: GW
Collected: 03/17/05 13:15 Received: 03/18/05
Notes: Hexavalent Chromium Collected @13:15

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.010 | 0.020 | 04/02/05 | SW846 6010 | 721026460 |
| Aluminum, tot. recoverable as Al by ICP-Trace | 0.023 | mg/L | 1 | 0.010 | 0.020 | 04/03/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | [2.2] | ug/L | 1 | 2.0 | 7.1 | 04/06/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 04/06/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | 6.2 | ug/L | 1 | 0.85 | 3.0 | 04/05/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 6.3 | ug/L | 1 | 1.6 | 5.6 | 04/05/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 130 | ug/L | 1 | 2.5* | 5.0 | 04/02/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 130 | ug/L | 1 | 2.5* | 5.0 | 04/02/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/02/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/04/05 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/02/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/02/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 120 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 120 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 03/18/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 04/04/05 | Calc. | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.96] | ug/L | 1 | 0.45 | 1.4 | 04/02/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | [0.77] | ug/L | 1 | 0.45 | 1.4 | 04/02/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | [0.81] | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/02/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/04/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 03/24/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 0.69 | mg/L | 1 | 0.033 | 0.10 | 04/02/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | 0.63 | mg/L | 1 | 0.033 | 0.10 | 04/02/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/02/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/02/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 79 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 77 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 230 | ug/L | 1 | 1.0* | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 230 | ug/L | 1 | 1.0* | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/29/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/29/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 3.3 | ug/L | 1 | 0.71 | 2.3 | 04/02/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | [1.9] | ug/L | 1 | 0.71 | 2.3 | 04/03/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 7.4 | mg/L | 1 | 0.36 | 1.3 | 04/07/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 7.1 | mg/L | 1 | 0.36 | 1.3 | 04/07/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 04/07/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 04/07/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 31 | mg/L | 1 | 0.033 | 0.12 | 04/07/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 33 | mg/L | 1 | 0.033 | 0.12 | 04/07/05 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel R1FS/25688375

NLS Project: 88032
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**NS-GW-MW22B-0305 NLS ID: 364753**
Ref. Line 10 COC 75706 NS-GW-MW22B-0305 Matrix: GW
Collected: 03/17/05 13:15 Received: 03/18/05
Notes: Hexavalent Chromium Collected @13:15

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 2 | 4.7 | 17 | 04/01/05 | SW846 7841 | 721026460 |
| | Sample required a dilution to overcome negative interference encountered during analysis. | | | | | | | |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 2 | 4.7 | 17 | 04/01/05 | SW846 7841 | 721026460 |
| | Sample required a dilution to overcome negative interference encountered during analysis. | | | | | | | |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | [0.74] | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [5.8] | ug/L | 1 | 5.0* | 10 | 04/02/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 04/02/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/18/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/24/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/21/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 04/06/05 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88032
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1FS/25688375

**NS-GW-MW14-0305 NLS ID: 364754**
Ref. Line 1 COC 75707 NS-GW-MW14-0305 Matrix: GW
Collected: 03/17/05 13:25 Received: 03/18/05
Notes: Hexavalent Chromium Collected @13:25

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | 0.021 | mg/L | 1 | 0.010 | 0.020 | 04/03/05 | SW846 6010 | 721026460 |
| | Batch 26 prep blank was contaminated with Al at 0.018 mg/L. | | | | | | | |
| Aluminum, tot. recoverable as Al by ICP-Trace | 5.7 | mg/L | 1 | 0.010 | 0.020 | 04/02/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 2 | 4.0 | 14 | 04/06/05 | SW846 7041 | 721026460 |
| | Matrix spike and spike duplicate recoveries for this sample where outside of the NLS in-house control limits at 136 % and 134 % respectively. Sample was diluted, but no improvement was observed. Problem attributed to sample matrix. | | | | | | | |
| Antimony, tot. recoverable as Sb by furnace AAS | [4.9] | ug/L | 1 | 2.0 | 7.1 | 04/06/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [3.0] | ug/L | 1 | 0.85 | 3.0 | 04/05/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [4.3] | ug/L | 1 | 1.6 | 5.6 | 04/05/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 370 | ug/L | 1 | 2.5* | 5.0 | 04/02/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 530 | ug/L | 1 | 2.5* | 5.0 | 04/02/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/03/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/04/05 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/02/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/02/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 100 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 110 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 4.2 | ug/L | 1 | 3.6* | | 03/18/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 04/04/05 | Calc. | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | 1.9 | ug/L | 1 | 0.45 | 1.4 | 04/02/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | 5.3 | ug/L | 1 | 0.45 | 1.4 | 04/02/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | 2.5 | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/02/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | 16 | ug/L | 1 | 1.3 | 4.0 | 04/02/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | 0.14 | mg/L | 1 | 0.0050 | 0.015 | 03/24/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 42 | mg/L | 1 | 0.033 | 0.10 | 04/02/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | 48 | mg/L | 1 | 0.033 | 0.10 | 04/02/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/02/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | 11 | ug/L | 1 | 1.0 | 3.3 | 04/02/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 26 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 28 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 430 | ug/L | 1 | 1.0* | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 510 | ug/L | 1 | 1.0* | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/29/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | 0.15 | ug/L | 1 | 0.025 | 0.050 | 03/29/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.2] | ug/L | 1 | 0.71 | 2.3 | 04/03/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | 6.0 | ug/L | 1 | 0.71 | 2.3 | 04/02/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 13 | mg/L | 1 | 0.36 | 1.3 | 04/07/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 15 | mg/L | 1 | 0.36 | 1.3 | 04/07/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 04/07/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 04/07/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | 3.4 | ug/L | 1 | 0.67 | 2.0 | 04/03/05 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
*400 North Lake Avenue - Crandon, WI 54520*
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel R1FS/25688375

NLS Project: 88032
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**NS-GW-MW14-0305 NLS ID: 364754**
Ref. Line 1 COC 75707 NS-GW-MW14-0305 Matrix: GW
Collected: 03/17/05 13:25 Received: 03/18/05
Notes: Hexavalent Chromium Collected @13:25

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Silver, tot. recoverable as Ag by ICP-Trace | 3.3 | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 53 | mg/L | 1 | 0.033 | 0.12 | 04/07/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 57 | mg/L | 1 | 0.033 | 0.12 | 04/07/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/01/05 | SW846 7841 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/01/05 | SW846 7841 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [1.1] | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | 8.7 | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [8.6] | ug/L | 1 | 5.0* | 10 | 04/02/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | 33 | ug/L | 1 | 5.0* | 10 | 04/02/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/18/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/24/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/21/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 04/06/05 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-350
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88032
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel R1FS/25688375

**NS-WQDup3-0305 NLS ID: 364755**
Ref. Line 2 COC 75707 NS-WQDup3-0305 Matrix: GW
Collected: 03/17/05 00:00 Received: 03/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.010 | 0.020 | 04/02/05 | SW846 6010 | 721026460 |
| Aluminum, tot. recoverable as Al by ICP-Trace | 0.032 | mg/L | 1 | 0.010 | 0.020 | 04/02/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 04/06/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 04/06/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 0.85 | 3.0 | 04/05/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.3] | ug/L | 1 | 1.6 | 5.6 | 04/05/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 120 | ug/L | 1 | 2.5* | 5.0 | 04/02/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 100 | ug/L | 1 | 2.5* | 5.0 | 04/02/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/03/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/04/05 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | [0.17] | ug/L | 1 | 0.17 | 0.50 | 04/02/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | [0.23] | ug/L | 1 | 0.17 | 0.50 | 04/02/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 51 | mg/L | 1 | 0.15* | 0.30 | 04/03/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 38 | mg/L | 1 | 0.15* | 0.30 | 04/03/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 03/18/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 04/04/05 | Calc. | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [1.1] | ug/L | 1 | 0.45 | 1.4 | 04/02/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | [1.1] | ug/L | 1 | 0.45 | 1.4 | 04/02/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/02/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/04/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 03/24/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 04/03/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | [0.059] | mg/L | 1 | 0.033 | 0.10 | 04/02/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [1.5] | ug/L | 1 | 1.0 | 3.3 | 04/02/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/02/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 17 | mg/L | 1 | 0.15* | 0.30 | 04/03/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 13 | mg/L | 1 | 0.15* | 0.30 | 04/03/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 170 | ug/L | 1 | 1.0* | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 180 | ug/L | 1 | 1.0* | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/29/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/29/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.71 | 2.3 | 04/02/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | ND | ug/L | 1 | 0.71 | 2.3 | 04/02/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 9.0 | mg/L | 1 | 0.36 | 1.3 | 04/07/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 6.0 | mg/L | 1 | 0.36 | 1.3 | 04/07/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 04/07/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 04/07/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | [1.3] | ug/L | 1 | 0.67 | 2.0 | 04/03/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | [0.78] | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 280 | mg/L | 1 | 0.033 | 0.12 | 04/07/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 35 | mg/L | 1 | 0.033 | 0.12 | 04/07/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/01/05 | SW846 7841 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/01/05 | SW846 7841 | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
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# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88032**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel R1FS/25688375**

**NS-WQDup3-0305 NLS ID: 364755**
Ref. Line 2 COC 75707 NS-WQDup3-0305 Matrix: GW
Collected: 03/17/05 00:00 Received: 03/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, dis. as V by ICP-Trace | [1.4] | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | [1.6] | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [5.0] | ug/L | 1 | 5.0* | 10 | 04/02/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 04/02/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/18/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/24/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/21/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 03/26/05 | SW846 8270C | 721026460 |

**NS-WQTrip Blank 3-0305 NLS ID: 364756**
Ref. Line 3 COC 75707 NS-WQTrip Blank 3-0305 Matrix: TB
Collected: 03/17/05 00:00 Received: 03/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 03/24/05 | SW846 8260 | 721026460 |

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Water (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88045**
**Project Description: Xcel/R1FS/25688375**
**Project Title:** **Template: SAT2NSP** **Printed: 05/03/2005 15:32**

**Sample: 364810** **NS-GWMW17-030[illegible]** **Collected: 03/18/05** **Analyzed: 03/28/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 8.0 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 96% | | | | |
| Toluene-d8 (SURR**) | 100% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 92% | | | | |

Matrix Spike and Matrix Spike Duplicate recoveries for Toluene were below in-house QC limits.

**Sample: 364811** **NS-GWMW17A-030[illegible]** **Collected: 03/18/05** **Analyzed: 03/28/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 7.0 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 106% | | | | |
| Toluene-d8 (SURR**) | 108% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

Matrix Spike and Matrix Spike Duplicate recoveries for Toluene were below in-house QC limits.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88045**

**Project Description: Xcel/R1FS/25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 05/03/2005 15:32**

**Sample: 364812** **NS-GWMW08-0305** **Collected: 03/18/05** **Analyzed: 03/28/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 16 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 106% | | | | |
| Toluene-d8 (SURR**) | 107% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

Matrix Spike and Matrix Spike Duplicate recoveries for Toluene were below in-house QC limits.

**Sample: 364813** **NS-GWMW08A-0305** **Collected: 03/18/05** **Analyzed: 03/28/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | *20000* | ug/L | *2000* | *280* | *950* |
| sec-Butylbenzene | ND | ug/L | 2000 | 270 | 900 |
| Ethylbenzene | [820] | ug/L | 2000 | 330 | 1100 |
| ortho-Xylene | ND | ug/L | 2000 | 430 | 1400 |
| Styrene | ND | ug/L | 2000 | 290 | 970 |
| Toluene | [1100] | ug/L | 2000 | 500 | 1700 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 2000 | 310 | 1000 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 2000 | 290 | 980 |
| meta,para-Xylene | ND | ug/L | 2000 | 700 | 2300 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 2000 | 410 | 1400 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 101% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 98% | | | | |

Matrix Spike and Matrix Spike Duplicate recoveries for Toluene were below in-house QC limits.

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88045**
**Project Description: Xcel/R1FS/25688375**
**Project Title:** **Template: SAT2NSP** **Printed: 05/03/2005 15:32**

**Sample: 364814** **NS-WQDup 4-0305** **Collected: 03/18/05** **Analyzed: 03/28/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 7.2 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 107% | | | | |
| Toluene-d8 (SURR**) | 107% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 104% | | | | |

Matrix Spike and Matrix Spike Duplicate recoveries for Toluene were below in-house QC limits.

**Sample: 364815** **NS-WQTrip Blank 4-0305** **Collected: 03/18/05** **Analyzed: 03/28/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 3.6 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 104% | | | | |
| Toluene-d8 (SURR**) | 102% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

Matrix Spike and Matrix Spike Duplicate recoveries for Toluene were below in-house QC limits.

** Surrogates are used to evaluate a method's Quality Control.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88045**
**Project Description: Xcel/R1FS/25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 05/03/2005 15:32**

**Sample: 364810** **NS-GWMW17-0305** **Collected: 03/18/05** **Analyzed: 03/31/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| 2-Fluorophenol (SURR**) | 37% | | | | |
| Phenol-d5 (SURR**) | 25% | | | | |
| Nitrobenzene-d5 (SURR**) | 72% | | | | |
| 2-Fluorobiphenyl (SURR**) | 79% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 81% | | | | |
| Terphenyl-d14 (SURR**) | 66% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88045**
**Project Description: Xcel/R1FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 05/03/2005 15:32**

**Sample: 364811** **NS-GWMW17A-030 5** **Collected: 03/18/05** **Analyzed: 03/31/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| 2-Fluorophenol (SURR**) | 42% | | | | |
| Phenol-d5 (SURR**) | 27% | | | | |
| Nitrobenzene-d5 (SURR**) | 70% | | | | |
| 2-Fluorobiphenyl (SURR**) | 78% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 88% | | | | |
| Terphenyl-d14 (SURR**) | 68% | | | | |

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88045**
**Project Description: Xcel/R1FS/25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 05/03/2005 15:32**

**Sample: 364812** **NS-GWMW08-0305** **Collected: 03/18/05** **Analyzed: 03/31/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| 2-Fluorophenol (SURR**) | 39% | | | | |
| Phenol-d5 (SURR**) | 25% | | | | |
| Nitrobenzene-d5 (SURR**) | 68% | | | | |
| 2-Fluorobiphenyl (SURR**) | 76% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 88% | | | | |
| Terphenyl-d14 (SURR**) | 64% | | | | |

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88045**
**Project Description: Xcel/R1FS 25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 05/03/2005 15:32**

**Sample: 364813** **NS-GWMW08A-0305** **Collected: 03/18/05** **Analyzed: 03/31/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 10 | 11 | 36 |
| Acenaphthylene | ND | ug/L | 10 | 10 | 35 |
| Anthracene | ND | ug/L | 10 | 9.8 | 33 |
| Benzo[a]anthracene | ND | ug/L | 10 | 9.2 | 31 |
| Benzo[a]pyrene | ND | ug/L | 10 | 10 | 34 |
| Benzo[b]fluoranthene | ND | ug/L | 10 | 9.2 | 31 |
| Benzo[g,h,i]perylene | ND | ug/L | 10 | 10 | 34 |
| Benzo[k]fluoranthene | ND | ug/L | 10 | 12 | 39 |
| Chrysene | ND | ug/L | 10 | 10 | 34 |
| Dibenzo[a,h]anthracene | ND | ug/L | 10 | 9.9 | 33 |
| Dibenzofuran | ND | ug/L | 10 | 11 | 36 |
| Fluoranthene | ND | ug/L | 10 | 9.7 | 32 |
| Fluorene | ND | ug/L | 10 | 9.9 | 33 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 10 | 9.4 | 31 |
| 1-Methylnaphthalene | ND | ug/L | 10 | 11 | 35 |
| 2-Methylnaphthalene | ND | ug/L | 10 | 11 | 35 |
| 2-Methylphenol | 130 | ug/L | 10 | 9.0 | 30 |
| 3 & 4-Methylphenol | [16] | ug/L | 10 | 14 | 48 |
| Naphthalene | 320 | ug/L | 10 | 11 | 36 |
| Phenanthrene | ND | ug/L | 10 | 9.8 | 33 |
| Phenol | 23 | ug/L | 10 | 5.1 | 17 |
| Pyrene | ND | ug/L | 10 | 9.4 | 31 |
| Benzo[e]pyrene | ND | ug/L | 10 | 10 | 34 |
| 2-Fluorophenol (SURR**) | 47% | | | | |
| Phenol-d5 (SURR**) | 31% | | | | |
| Nitrobenzene-d5 (SURR**) | 78% | | | | |
| 2-Fluorobiphenyl (SURR**) | 97% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 92% | | | | |
| Terphenyl-d14 (SURR**) | 76% | | | | |

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88045**

**Project Description: Xcel/R1FS/25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 05/03/2005 15:32**

**Sample: 364814** **NS-WQDup 4-0305** **Collected: 03/18/05** **Analyzed: 03/31/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| 2-Fluorophenol (SURR**) | 36% | | | | |
| Phenol-d5 (SURR**) | 24% | | | | |
| Nitrobenzene-d5 (SURR**) | 72% | | | | |
| 2-Fluorobiphenyl (SURR**) | 79% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 85% | | | | |
| Terphenyl-d14 (SURR**) | 67% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

NORTHERN [illegible] SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88045
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel/R1FS/25688375

**NS-GWMW17-0305 NLS ID: 364810**
Ref. Line 1 COC 75708 NS-GWMW17-0305 Matrix: GW
Collected: 03/18/05 07:45 Received: 03/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.010 | 0.020 | 04/02/05 | SW846 6010 | 721026460 |
| Aluminum, tot. recoverable as Al by ICP-Trace | 2.8 | mg/L | 1 | 0.010 | 0.020 | 04/02/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | [2.1] | ug/L | 1 | 2.0 | 7.1 | 04/07/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [2.9] | ug/L | 1 | 2.0 | 7.1 | 04/07/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [1.8] | ug/L | 1 | 1.6 | 5.6 | 04/05/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | ug/L | 1 | 1.6 | 5.6 | 04/05/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 150 | ug/L | 1 | 2.5* | 5.0 | 04/02/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 160 | ug/L | 1 | 2.5* | 5.0 | 04/02/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/03/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 2 | 0.34 | 1.0 | 04/04/05 | SW846 6010 | 721026460 |
| Dilution was required to reduce matrix interferences. | | | | | | | | |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/02/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/02/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 73 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 72 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 5.5 | ug/L | 1 | 3.6* | | 03/18/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 04/04/05 | Calc. | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.70] | ug/L | 1 | 0.45 | 1.4 | 04/02/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | 6.5 | ug/L | 1 | 0.45 | 1.4 | 04/02/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | 2.4 | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/02/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | 17 | ug/L | 1 | 1.3 | 4.0 | 04/02/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 03/24/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 04/02/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | 3.6 | mg/L | 1 | 0.033 | 0.10 | 04/02/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [2.6] | ug/L | 1 | 1.0 | 3.3 | 04/02/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | [2.1] | ug/L | 1 | 1.0 | 3.3 | 04/02/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 58 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 56 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | ND | ug/L | 1 | 1.0* | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 150 | ug/L | 1 | 1.0* | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/29/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/29/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.71 | 2.3 | 04/03/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | 4.7 | ug/L | 1 | 0.71 | 2.3 | 04/02/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 6.3 | mg/L | 1 | 0.36 | 1.3 | 04/05/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 7.3 | mg/L | 1 | 0.36 | 1.3 | 04/05/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 04/08/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 04/08/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 170 | mg/L | 1 | 0.033 | 0.12 | 04/05/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 180 | mg/L | 1 | 0.033 | 0.12 | 04/05/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/06/05 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88045
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel/R1FS/25688375

**NS-GWMW17-0305 NLS ID: 364810**
Ref. Line 1 COC 75708 NS-GWMW17-0305 Matrix: GW
Collected: 03/18/05 07:45 Received: 03/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 2 | 4.7 | 17 | 04/06/05 | SW846 7841 | 721026460 |
| | Sample required a dilution to overcome negative interference encountered during analysis. | | | | | | | |
| Vanadium, dis. as V by ICP-Trace | 2.2 | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | 9.6 | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | 17 | ug/L | 1 | 5.0* | 10 | 04/02/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | 31 | ug/L | 1 | 5.0* | 10 | 04/02/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/18/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/28/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/23/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 03/31/05 | SW846 8270C | 721026460 |

NORTHERN [illegible] SERVICE, INC.
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-360
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88045
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel/R1FS/25688375

**NS-GWMW17A-0305 NLS ID: 364811**
Ref. Line 2 COC 75708 NS-GWMW17A-0305 Matrix: GW
Collected: 03/18/05 08:00 Received: 03/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | [0.011] | mg/L | 1 | 0.010 | 0.020 | 04/03/05 | SW846 6010 | 721026460 |
| | Batch 26 prep blank was contaminated with Al at 0.018 mg/L. | | | | | | | |
| Aluminum, tot. recoverable as Al by ICP-Trace | 0.78 | mg/L | 1 | 0.010 | 0.020 | 04/02/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | [2.1] | ug/L | 1 | 2.0 | 7.1 | 04/07/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [2.2] | ug/L | 1 | 2.0 | 7.1 | 04/07/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [2.3] | ug/L | 1 | 1.6 | 5.6 | 04/05/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.8] | ug/L | 1 | 1.6 | 5.6 | 04/05/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 62 | ug/L | 1 | 2.5* | 5.0 | 04/02/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 68 | ug/L | 1 | 2.5* | 5.0 | 04/02/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/03/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/04/05 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/02/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | [0.21] | ug/L | 1 | 0.17 | 0.50 | 04/02/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 18 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 18 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 4.2 | ug/L | 1 | 3.6* | | 03/18/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | ug/L | | 3.6* | | 04/04/05 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | |
| Chromium, dis. as Cr by ICP-Trace | [0.78] | ug/L | 1 | 0.45 | 1.4 | 04/02/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | 2.0 | ug/L | 1 | 0.45 | 1.4 | 04/02/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/02/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | 5.4 | ug/L | 1 | 1.3 | 4.0 | 04/04/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 03/24/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 04/02/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | 0.91 | mg/L | 1 | 0.033 | 0.10 | 04/02/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/02/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/02/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 5.6 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 5.9 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 6.4 | ug/L | 1 | 1.0* | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 28 | ug/L | 1 | 1.0* | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/29/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/29/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.71 | 2.3 | 04/02/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | [1.9] | ug/L | 1 | 0.71 | 2.3 | 04/02/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 5.0 | mg/L | 1 | 0.36 | 1.3 | 04/05/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 5.7 | mg/L | 1 | 0.36 | 1.3 | 04/05/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 04/08/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 04/08/05 | SW846 7740 | 721026460 |
| Silver dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Silver tot. recoverable as Ag by ICP-Trace | [0.86] | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 43 | mg/L | 1 | 0.033 | 0.12 | 04/05/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 45 | mg/L | 1 | 0.033 | 0.12 | 04/05/05 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 88045
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel/R1FS/25688375

**NS-GWMW17A-0305 NLS ID: 364811**
Ref. Line 2 COC 75708 NS-GWMW17A-0305 Matrix: GW
Collected: 03/18/05 08:00 Received: 03/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/06/05 | SW846 7841 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/06/05 | SW846 7841 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 2.5 | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | 4.1 | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [6.3] | ug/L | 1 | 5.0* | 10 | 04/02/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | [9.8] | ug/L | 1 | 5.0* | 10 | 04/02/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/18/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/28/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/23/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 03/31/05 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 88045
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel/R1FS/25688375

**NS-GWMW08-0305 NLS ID: 364812**
Ref. Line 3 COC 75708 NS-GWMW08-0305 Matrix: GW
Collected: 03/18/05 08:30 Received: 03/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.010 | 0.020 | 04/02/05 | SW846 6010 | 721026460 |
| Aluminum, tot. recoverable as Al by ICP-Trace | 270 | mg/L | 1 | 0.010 | 0.020 | 04/02/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | [5.7] | ug/L | 1 | 2.0 | 7.1 | 04/07/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | 17 | ug/L | 1 | 2.0 | 7.1 | 04/07/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 1.6 | 5.6 | 04/05/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 22 | ug/L | 1 | 1.6 | 5.6 | 04/05/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 220 | ug/L | 1 | 2.5* | 5.0 | 04/02/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 1800 | ug/L | 1 | 2.5* | 5.0 | 04/02/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/04/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 20 | 3.4 | 10 | 04/04/05 | SW846 6010 | 721026460 |
| | Sample required a dilution to overcome negative interference encountered during analysis. | | | | | | | |
| Cadmium, dis. as Cd by ICP-Trace | 0.58 | ug/L | 1 | 0.17 | 0.50 | 04/02/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | 3.8 | ug/L | 1 | 0.17 | 0.50 | 04/02/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 130 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 420 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 8.1 | ug/L | 1 | 3.6* | | 03/18/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 480 | ug/L | 1 | 3.6* | | 04/04/05 | Calc. | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.92] | ug/L | 1 | 0.45 | 1.4 | 04/02/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | 490 | ug/L | 1 | 0.45 | 1.4 | 04/02/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | 160 | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | [3.4] | ug/L | 1 | 1.3 | 4.0 | 04/04/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | 470 | ug/L | 1 | 1.3 | 4.0 | 04/02/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.0060] | mg/L | 1 | 0.0050 | 0.015 | 03/24/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 04/02/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | 310 | mg/L | 1 | 0.033 | 0.10 | 04/02/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/02/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | 110 | ug/L | 1 | 1.0 | 3.3 | 04/02/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 86 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 240 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 4.2 | ug/L | 1 | 1.0* | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 5700 | ug/L | 1 | 1.0* | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/29/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | 0.13 | ug/L | 1 | 0.025 | 0.050 | 03/29/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [2.0] | ug/L | 1 | 0.71 | 2.3 | 04/03/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | 340 | ug/L | 1 | 0.71 | 2.3 | 04/02/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.1 | mg/L | 1 | 0.36 | 1.3 | 04/05/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 57 | mg/L | 1 | 0.36 | 1.3 | 04/05/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 04/08/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 04/08/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | [0.89] | ug/L | 1 | 0.67 | 2.0 | 04/03/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | 20 | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 290 | mg/L | 1 | 0.033 | 0.12 | 04/05/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 350 | mg/L | 1 | 0.033 | 0.12 | 04/05/05 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 88045
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel/R1FS/25688375

**NS-GWMW08-0305 NLS ID: 364812**
Ref. Line 3 COC 75708 NS-GWMW08-0305 Matrix: GW
Collected: 03/18/05 08:30 Received: 03/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 2 | 4.7 | 17 | 04/06/05 | SW846 7841 | 721026460 |
| | Sample required a dilution to overcome negative interference encountered during analysis. | | | | | | | |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/06/05 | SW846 7841 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [1.7] | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | 620 | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [5.1] | ug/L | 1 | 5.0* | 10 | 04/02/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | 740 | ug/L | 1 | 5.0* | 10 | 04/02/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/18/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/28/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/23/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 03/31/05 | SW846 8270C | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88045
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel/R1FS/25688375

**NS-GWMW08A-0305 NLS ID: 364813**
Ref. Line 4 COC 75708 NS-GWMW08A-0305 Matrix: GW
Collected: 03/18/05 08:45 Received: 03/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.010 | 0.020 | 04/02/05 | SW846 6010 | 721026460 |
| Aluminum, tot. recoverable as Al by ICP-Trace | 3.2 | mg/L | 1 | 0.010 | 0.020 | 04/02/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 04/07/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [3.1] | ug/L | 1 | 2.0 | 7.1 | 04/07/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [2.1] | ug/L | 1 | 1.6 | 5.6 | 04/05/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [3.8] | ug/L | 1 | 1.6 | 5.6 | 04/05/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 200 | ug/L | 1 | 2.5* | 5.0 | 04/02/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 230 | ug/L | 1 | 2.5* | 5.0 | 04/02/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/03/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/04/05 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | [0.21] | ug/L | 1 | 0.17 | 0.50 | 04/02/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/02/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 52 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 52 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 11 | ug/L | 1 | 3.6* | | 03/18/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | ug/L | | 3.6* | | 04/04/05 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | |
| Chromium, dis. as Cr by ICP-Trace | [1.1] | ug/L | 1 | 0.45 | 1.4 | 04/02/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | 6.6 | ug/L | 1 | 0.45 | 1.4 | 04/02/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | [1.8] | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/02/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | 14 | ug/L | 1 | 1.3 | 4.0 | 04/04/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.010] | mg/L | 1 | 0.0050 | 0.015 | 03/30/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 1.5 | mg/L | 1 | 0.033 | 0.10 | 04/02/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | 4.9 | mg/L | 1 | 0.033 | 0.10 | 04/02/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [2.3] | ug/L | 1 | 1.0 | 3.3 | 04/02/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | [1.1] | ug/L | 1 | 1.0 | 3.3 | 04/02/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 18 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 19 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 700 | ug/L | 1 | 1.0* | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 730 | ug/L | 1 | 1.0* | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/29/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/29/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.71 | 2.3 | 04/03/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | 4.5 | ug/L | 1 | 0.71 | 2.3 | 04/02/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 11 | mg/L | 1 | 0.36 | 1.3 | 04/05/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 13 | mg/L | 1 | 0.36 | 1.3 | 04/05/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 04/08/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 04/08/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/03/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | [1.6] | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 290 | mg/L | 1 | 0.033 | 0.12 | 04/05/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 360 | mg/L | 1 | 0.033 | 0.12 | 04/05/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/06/05 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88045
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel/R1FS/25688375

**NS-GWMW08A-0305 NLS ID: 364813**
Ref. Line 4 COC 75708 NS-GWMW08A-0305 Matrix: GW
Collected: 03/18/05 08:45 Received: 03/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/06/05 | SW846 7841 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [0.70] | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | 7.8 | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 04/02/05 | SW846 6010 | 721026460 |
| *Zinc, tot. recoverable as Zn by ICP-Trace* | *40* | *ug/L* | *1* | *5.0** | *10* | 04/02/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/18/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/28/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/23/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 03/31/05 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel/R1FS/25688375

NLS Project: 88045
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

**NS-WQDup 4-0305 NLS ID: 364814**
Ref. Line 5 COC 75708 NS-WQDup 4-0305 Matrix: GW
Collected: 03/18/05 00:00 Received: 03/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.010 | 0.020 | 04/02/05 | SW846 6010 | 721026460 |
| Aluminum, tot. recoverable as Al by ICP-Trace | 4.6 | mg/L | 1 | 0.010 | 0.020 | 04/02/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | [3.5] | ug/L | 1 | 2.0 | 7.1 | 04/07/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [3.6] | ug/L | 1 | 2.0 | 7.1 | 04/07/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [1.8] | ug/L | 1 | 1.6 | 5.6 | 04/05/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | ND | ug/L | 1 | 1.6 | 5.6 | 04/05/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 150 | ug/L | 1 | 2.5* | 5.0 | 04/02/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 150 | ug/L | 1 | 2.5* | 5.0 | 04/02/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/03/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/04/05 | SW846 6010 | 721026460 |
| There is a negative interference on Be. | | | | | | | | |
| Cadmium, dis. as Cd by ICP-Trace | [0.21] | ug/L | 1 | 0.17 | 0.50 | 04/02/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/02/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 65 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 58 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 4.2 | ug/L | 1 | 3.6* | | 03/18/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 6.3 | ug/L | 1 | 3.6* | | 04/04/05 | Calc. | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [1.0] | ug/L | 1 | 0.45 | 1.4 | 04/02/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | 10 | ug/L | 1 | 0.45 | 1.4 | 04/02/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | 3.8 | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/04/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | 17 | ug/L | 1 | 1.3 | 4.0 | 04/04/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 03/30/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 04/02/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | 5.6 | mg/L | 1 | 0.033 | 0.10 | 04/02/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/02/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | [2.7] | ug/L | 1 | 1.0 | 3.3 | 04/02/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 51 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 45 | mg/L | 1 | 0.15* | 0.30 | 04/02/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | ND | ug/L | 1 | 1.0* | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 190 | ug/L | 1 | 1.0* | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/29/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/30/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.71 | 2.3 | 04/03/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | 6.7 | ug/L | 1 | 0.71 | 2.3 | 04/02/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 7.4 | mg/L | 1 | 0.36 | 1.3 | 04/05/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 8.2 | mg/L | 1 | 0.36 | 1.3 | 04/05/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 04/08/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 04/08/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/03/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 330 | mg/L | 1 | 0.033 | 0.12 | 04/05/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 220 | mg/L | 1 | 0.033 | 0.12 | 04/05/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/06/05 | SW846 7841 | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
***Ph: (715)-478-2777 Fax: (715)-478-3060***

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 88045**
**NLS Customer: 91206**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel/R1FS/25688375**

**NS-WQDup 4-0305 NLS ID: 364814**
Ref. Line 5 COC 75708 NS-WQDup 4-0305 Matrix: GW
Collected: 03/18/05 00:00 Received: 03/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/06/05 | SW846 7841 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 2.5 | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | 14 | ug/L | 1 | 0.67 | 2.0 | 04/02/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | 11 | ug/L | 1 | 5.0* | 10 | 04/02/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | 30 | ug/L | 1 | 5.0* | 10 | 04/02/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/18/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/18/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/28/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/23/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 03/31/05 | SW846 8270C | 721026460 |

**NS-WQTrip Blank 4-0305 NLS ID: 364815**
Ref. Line 6 COC 75708 NS-WQTrip Blank 4-0305 Matrix: TB
Collected: 03/18/05 00:00 Received: 03/18/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 03/28/05 | SW846 8260 | 721026460 |

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

# ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88072**
**Project Description: Xcel/RIFS/25688375**
**Project Title:** **Template: SAT2NSP Printed: 05/03/2005 15:35**

**Sample: 364910 NS-GWMW04-0305** **Collected: 03/21/05** **Analyzed: 03/28/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 4600 | ug/L | 400 | 57 | 190 |
| sec-Butylbenzene | ND | ug/L | 400 | 54 | 180 |
| Ethylbenzene | 2800 | ug/L | 400 | 67 | 220 |
| ortho-Xylene | 1300 | ug/L | 400 | 86 | 290 |
| Styrene | ND | ug/L | 400 | 58 | 190 |
| Toluene | 2700 | ug/L | 400 | 100 | 330 |
| 1,2,4-Trimethylbenzene | 520 | ug/L | 400 | 62 | 210 |
| 1,3,5-Trimethylbenzene | [130] | ug/L | 400 | 59 | 200 |
| meta,para-Xylene | 2100 | ug/L | 400 | 140 | 460 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 400 | 82 | 270 |
| Dibromofluoromethane (SURR**) | 112% | | | | |
| Toluene-d8 (SURR**) | 113% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 110% | | | | |

Matrix Spike and Matrix Spike Duplicate recoveries for Toluene were below in-house QC limits.

**Sample: 364911 NS-GWMW04A-0305** **Collected: 03/21/05** **Analyzed: 03/28/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 20000 | ug/L | 2000 | 280 | 950 |
| sec-Butylbenzene | ND | ug/L | 2000 | 270 | 900 |
| Ethylbenzene | 2600 | ug/L | 2000 | 330 | 1100 |
| ortho-Xylene | 1500 | ug/L | 2000 | 430 | 1400 |
| Styrene | [890] | ug/L | 2000 | 290 | 970 |
| Toluene | 9300 | ug/L | 2000 | 500 | 1700 |
| 1,2,4-Trimethylbenzene | [540] | ug/L | 2000 | 310 | 1000 |
| 1,3,5-Trimethylbenzene | [710] | ug/L | 2000 | 290 | 980 |
| meta,para-Xylene | 2800 | ug/L | 2000 | 700 | 2300 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 2000 | 410 | 1400 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 103% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

Matrix Spike and Matrix Spike Duplicate recoveries for Toluene were below in-house QC limits.
Matrix Spike and Matrix Spike Duplicate percent difference exceeded control limits for Styrene.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88072**

**Project Description: Xcel/RIFS/25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 05/03/2005 15:35**

**Sample: 364912** **NS-WPAW02 MS/MSD-0305** **Collected: 03/21/05** **Analyzed: 03/28/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 6.4 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 102% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 97% | | | | |

Matrix Spike and Matrix Spike Duplicate recoveries for Toluene were below in-house QC limits.

**Sample: 364913** **NS-WPAW01-0305** **Collected: 03/21/05** **Analyzed: 03/28/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 4.0 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 104% | | | | |
| Toluene-d8 (SURR**) | 106% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

Matrix Spike and Matrix Spike Duplicate recoveries for Toluene were below in-house QC limits.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88072**

**Project Description: Xcel/RIFS/25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 05/03/2005 15:35**

**Sample: 364914** **NS-WQTrip Blank5-0305** **Collected: 03/21/05** **Analyzed: 03/28/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 1.8 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 96% | | | | |
| Toluene-d8 (SURR**) | 100% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 94% | | | | |

Matrix Spike and Matrix Spike Duplicate recoveries for Toluene were below in-house QC limits.

** Surrogates are used to evaluate a method's Quality Control.

# ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88072**
**Project Description: Xcel/RIFS/25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 05/03/2005 15:35**

**Sample: 364910** **NS-GWMW04-0305** **Collected: 03/21/05** **Analyzed: 03/31/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 100 | 110 | 360 |
| Acenaphthylene | ND | ug/L | 100 | 100 | 350 |
| Anthracene | ND | ug/L | 100 | 98 | 330 |
| Benzo[a]anthracene | ND | ug/L | 100 | 92 | 310 |
| Benzo[a]pyrene | ND | ug/L | 100 | 100 | 340 |
| Benzo[b]fluoranthene | ND | ug/L | 100 | 92 | 310 |
| Benzo[g,h,i]perylene | ND | ug/L | 100 | 100 | 340 |
| Benzo[k]fluoranthene | ND | ug/L | 100 | 120 | 390 |
| Chrysene | ND | ug/L | 100 | 100 | 340 |
| Dibenzo[a,h]anthracene | ND | ug/L | 100 | 99 | 330 |
| Dibenzofuran | ND | ug/L | 100 | 110 | 360 |
| Fluoranthene | ND | ug/L | 100 | 97 | 320 |
| Fluorene | ND | ug/L | 100 | 99 | 330 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 100 | 94 | 310 |
| 1-Methylnaphthalene | 650 | ug/L | 100 | 110 | 350 |
| 2-Methylnaphthalene | 810 | ug/L | 100 | 110 | 350 |
| 2-Methylphenol | ND | ug/L | 100 | 90 | 300 |
| 3 & 4-Methylphenol | ND | ug/L | 100 | 140 | 480 |
| Naphthalene | 3400 | ug/L | 100 | 110 | 360 |
| Phenanthrene | ND | ug/L | 100 | 98 | 330 |
| Phenol | ND | ug/L | 100 | 51 | 170 |
| Pyrene | ND | ug/L | 100 | 94 | 310 |
| Benzo[e]pyrene | ND | ug/L | 100 | 100 | 340 |
| 2-Fluorophenol (SURR**) | 41% | | | | |
| Phenol-d5 (SURR**) | 24% | | | | |
| Nitrobenzene-d5 (SURR**) | 80% | | | | |
| 2-Fluorobiphenyl (SURR**) | 95% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 98% | | | | |
| Terphenyl-d14 (SURR**) | 81% | | | | |

A 10 fold dilution was performed during extraction.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (M lwaukee)** **NLS Project: 88072**
**Project Description: Xcel/RIFS/25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 05/03/2005 15:35**

**Sample: 364911** **NS-GWMW04A-03(5** **Collected: 03/21/05** **Analyzed: 03/31/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 210 | 710 |
| Acenaphthylene | [360] | ug/L | 200 | 210 | 700 |
| Anthracene | ND | ug/L | 200 | 200 | 660 |
| Benzo[a]anthracene | ND | ug/L | 200 | 180 | 610 |
| Benzo[a]pyrene | ND | ug/L | 200 | 210 | 690 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 180 | 610 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 200 | 670 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 230 | 780 |
| Chrysene | ND | ug/L | 200 | 200 | 670 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 200 | 660 |
| Dibenzofuran | ND | ug/L | 200 | 220 | 730 |
| Fluoranthene | ND | ug/L | 200 | 190 | 650 |
| Fluorene | ND | ug/L | 200 | 200 | 660 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 190 | 630 |
| 1-Methylnaphthalene | 1100 | ug/L | 200 | 210 | 700 |
| 2-Methylnaphthalene | 1500 | ug/L | 200 | 210 | 710 |
| 2-Methylphenol | [260] | ug/L | 200 | 180 | 600 |
| 3 & 4-Methylphenol | [480] | ug/L | 200 | 290 | 960 |
| Naphthalene | 7500 | ug/L | 200 | 210 | 710 |
| Phenanthrene | ND | ug/L | 200 | 200 | 650 |
| Phenol | [200] | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 190 | 620 |
| Benzo[e]pyrene | ND | ug/L | 200 | 210 | 690 |
| 2-Fluorophenol (SURR**) | 42% | | | | |
| Phenol-d5 (SURR**) | 25% | | | | |
| Nitrobenzene-d5 (SURR**) | 75% | | | | |
| 2-Fluorobiphenyl (SURR**) | 90% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 88% | | | | |
| Terphenyl-d14 (SURR**) | 76% | | | | |

A 20 fold dilution was performed during extraction.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88072**

**Project Description: Xcel/RIFS/25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 05/03/2005 15:35**

**Sample: 364912** **NS-WPAW02 MS/MSD-0305** **Collected: 03/21/05** **Analyzed: 03/31/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| 2-Fluorophenol (SURR**) | 41% | | | | |
| Phenol-d5 (SURR**) | 26% | | | | |
| Nitrobenzene-d5 (SURR**) | 69% | | | | |
| 2-Fluorobiphenyl (SURR**) | 75% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 89% | | | | |
| Terphenyl-d14 (SURR**) | 67% | | | | |

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88072**
**Project Description: Xcel/RIFS/25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 05/03/2005 15:35**

**Sample: 364913** **NS-WPAW01-0305** **Collected: 03/21/05** **Analyzed: 03/31/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| 2-Fluorophenol (SURR**) | 43% | | | | |
| Phenol-d5 (SURR**) | 27% | | | | |
| Nitrobenzene-d5 (SURR**) | 70% | | | | |
| 2-Fluorobiphenyl (SURR**) | 77% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 85% | | | | |
| Terphenyl-d14 (SURR**) | 66% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88072
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel/RIFS/25688375

**NS-GWMW04-0305 NLS ID: 364910**
Ref. Line 1 COC 75709 NS-GWMW04-0305 Matrix: GW
Collected: 03/21/05 13:00 Received: 03/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | 0.025 | mg/L | 1 | 0.010 | 0.020 | 04/13/05 | SW846 6010 | 721026460 |
| Aluminum, tot. recoverable as Al by ICP-Trace | 8.9 | mg/L | 1 | 0.010 | 0.020 | 04/11/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | [4.0] | ug/L | 1 | 2.0 | 7.1 | 04/19/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [3.5] | ug/L | 1 | 2.0 | 7.1 | 04/19/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | 13 | ug/L | 1 | 1.6 | 5.6 | 04/18/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 14 | ug/L | 1 | 1.6 | 5.6 | 04/18/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 450 | ug/L | 1 | 2.5* | 5.0 | 04/11/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 530 | ug/L | 1 | 2.5* | 5.0 | 04/11/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/13/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 2 | 0.34 | 1.0 | 04/13/05 | SW846 6010 | 721026460 |
| | Dilution was required to reduce matrix interferences. | | | | | | | |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/11/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | [0.48] | ug/L | 1 | 0.17 | 0.50 | 04/11/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 160 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 160 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 03/22/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 13 | ug/L | 1 | 3.6* | | 04/13/05 | Calc. | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | 3.5 | ug/L | 1 | 0.45 | 1.4 | 04/11/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | 13 | ug/L | 1 | 0.45 | 1.4 | 04/11/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | [1.5] | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | 5.3 | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/11/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | 21 | ug/L | 1 | 1.3 | 4.0 | 04/11/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | 0.039 | mg/L | 1 | 0.0050 | 0.015 | 03/30/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 14 | mg/L | 1 | 0.033 | 0.10 | 04/11/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | 24 | mg/L | 1 | 0.033 | 0.10 | 04/11/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | 5.3 | ug/L | 1 | 1.0 | 3.3 | 04/11/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 81 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 85 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 4800 | ug/L | 1 | 1.0* | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 4800 | ug/L | 1 | 1.0* | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/30/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/30/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 2.9 | ug/L | 1 | 0.71 | 2.3 | 04/11/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | 11 | ug/L | 1 | 0.71 | 2.3 | 04/11/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 27 | mg/L | 1 | 0.36 | 1.3 | 04/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 29 | mg/L | 1 | 0.36 | 1.3 | 04/06/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 04/18/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 04/18/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | 4.8 | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | 3.2 | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 54 | mg/L | 1 | 0.033 | 0.12 | 04/06/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 54 | mg/L | 1 | 0.033 | 0.12 | 04/06/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/14/05 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88072
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel/RIFS/25688375

**NS-GWMW04-0305 NLS ID: 364910**
Ref. Line 1 COC 75709 NS-GWMW04-0305 Matrix: GW
Collected: 03/21/05 13:00 Received: 03/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/14/05 | SW846 7841 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 3.3 | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | 19 | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [7.4] | ug/L | 1 | 5.0* | 10 | 04/11/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | 47 | ug/L | 1 | 5.0* | 10 | 04/11/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/25/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/28/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/23/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 03/31/05 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
*Analytical Laboratory and Environmental Services*
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 88072
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel/RIFS/25688375

**NS-GWMW04A-0305 NLS ID: 364911**
Ref. Line 2 COC 75709 NS-GWMW04A-0305 Matrix: GW
Collected: 03/21/05 13:10 Received: 03/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | [0.012] | mg/L | 1 | 0.010 | 0.020 | 04/13/05 | SW846 6010 | 721026460 |
| Aluminum, tot. recoverable as Al by ICP-Trace | 0.054 | mg/L | 1 | 0.010 | 0.020 | 04/11/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | [5.4] | ug/L | 1 | 2.0 | 7.1 | 04/19/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [2.3] | ug/L | 1 | 2.0 | 7.1 | 04/19/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | 7.6 | ug/L | 1 | 1.6 | 5.6 | 04/18/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 8.3 | ug/L | 1 | 1.6 | 5.6 | 04/18/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 1100 | ug/L | 1 | 2.5* | 5.0 | 04/11/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 1100 | ug/L | 1 | 2.5* | 5.0 | 04/11/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/14/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/13/05 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/11/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/11/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 160 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 150 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 6.6 | ug/L | 1 | 3.6* | | 03/22/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | ug/L | | 3.6* | | 04/13/05 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | |
| Chromium, dis. as Cr by ICP-Trace | 1.9 | ug/L | 1 | 0.45 | 1.4 | 04/11/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | 1.7 | ug/L | 1 | 0.45 | 1.4 | 04/11/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | 5.0 | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | 4.1 | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/11/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/11/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | 0.074 | mg/L | 1 | 0.0050 | 0.015 | 03/30/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 20 | mg/L | 1 | 0.033 | 0.10 | 04/11/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | 14 | mg/L | 1 | 0.033 | 0.10 | 04/11/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/11/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 72 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 67 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 3000 | ug/L | 1 | 1.0* | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 2400 | ug/L | 1 | 1.0* | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/30/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/30/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 3.2 | ug/L | 1 | 0.71 | 2.3 | 04/11/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | 3.1 | ug/L | 1 | 0.71 | 2.3 | 04/11/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 21 | mg/L | 1 | 0.36 | 1.3 | 04/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 23 | mg/L | 1 | 0.36 | 1.3 | 04/06/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 04/18/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 04/18/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | 2.9 | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | 2.7 | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 66 | mg/L | 1 | 0.033 | 0.12 | 04/06/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 72 | mg/L | 1 | 0.033 | 0.12 | 04/06/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/14/05 | SW846 7841 | 721026460 |

NORTHERN [illegible] SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel/RIFS/25688375

NLS Project: 88072
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**NS-GWMW04A-0305 NLS ID: 364911**
Ref. Line 2 COC 75709 NS-GWMW04A-0305 Matrix: GW
Collected: 03/21/05 13:10 Received: 03/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/14/05 | SW846 7841 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [1.4] | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | 2.5 | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 04/11/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 04/11/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/25/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/28/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/23/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 03/31/05 | SW846 8270C | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 88072
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel/RIFS/25688375

**NS-WPAW02 MS/MSD-0305 NLS ID: 364912**
Ref. Line 3 COC 75709 NS-WPAW02 MS/MSD-0305 Matrix: GW
Collected: 03/21/05 13:40 Received: 03/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | [0.014] | mg/L | 1 | 0.010 | 0.020 | 04/13/05 | SW846 6010 | 721026460 |
| Aluminum, tot. recoverable as Al by ICP-Trace | [0.014] | mg/L | 1 | 0.010 | 0.020 | 04/11/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 04/19/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 04/19/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [3.2] | ug/L | 1 | 1.6 | 5.6 | 04/18/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [3.7] | ug/L | 1 | 1.6 | 5.6 | 04/18/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 83 | ug/L | 1 | 2.5* | 5.0 | 04/11/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 83 | ug/L | 1 | 2.5* | 5.0 | 04/11/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/13/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/13/05 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/11/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/11/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 23 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 23 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 03/22/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 04/13/05 | Calc. | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | 1.5 | ug/L | 1 | 0.45 | 1.4 | 04/11/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | [1.4] | ug/L | 1 | 0.45 | 1.4 | 04/11/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/11/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/11/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 03/30/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | [0.049] | mg/L | 1 | 0.033 | 0.10 | 04/11/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | [0.034] | mg/L | 1 | 0.033 | 0.10 | 04/11/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/11/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 6.9 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 7.0 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 45 | ug/L | 1 | 1.0* | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 45 | ug/L | 1 | 1.0* | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/30/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/30/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.8] | ug/L | 1 | 0.71 | 2.3 | 04/11/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | [1.3] | ug/L | 1 | 0.71 | 2.3 | 04/11/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 2.7 | mg/L | 1 | 0.36 | 1.3 | 04/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 2.8 | mg/L | 1 | 0.36 | 1.3 | 04/06/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 04/18/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 04/18/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | [2.0] | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | [1.5] | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 14 | mg/L | 1 | 0.033 | 0.12 | 04/06/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 13 | mg/L | 1 | 0.033 | 0.12 | 04/06/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/14/05 | SW846 7841 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/14/05 | SW846 7841 | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88072
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel/RIFS/25688375

**NS-WPAW02 MS/MSD-0305 NLS ID: 364912**
Ref. Line 3 COC 75709 NS-WPAW02 MS/MSD-0305 Matrix: GW
Collected: 03/21/05 13:40 Received: 03/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | 15 | ug/L | 1 | 5.0* | 10 | 04/11/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 04/11/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/25/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/28/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/23/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 03/31/05 | SW846 8270C | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88072
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel/RIFS/25688375

**NS-WPAW01-0305 NLS ID: 364913**
Ref. Line 4 COC 75709 NS-WPAW01-0305 Matrix: GW
Collected: 03/21/05 14:15 Received: 03/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | [0.018] | mg/L | 1 | 0.010 | 0.020 | 04/13/05 | SW846 6010 | 721026460 |
| Aluminum, tot. recoverable as Al by ICP-Trace | [0.013] | mg/L | 1 | 0.010 | 0.020 | 04/11/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 04/19/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 04/19/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [3.6] | ug/L | 1 | 1.6 | 5.6 | 04/18/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [5.6] | ug/L | 1 | 1.6 | 5.6 | 04/18/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 75 | ug/L | 1 | 2.5* | 5.0 | 04/11/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 76 | ug/L | 1 | 2.5* | 5.0 | 04/11/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/14/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/13/05 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | 0.92 | ug/L | 1 | 0.17 | 0.50 | 04/11/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/11/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 23 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 23 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 03/22/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 04/13/05 | Calc. | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [1.4] | ug/L | 1 | 0.45 | 1.4 | 04/11/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | [1.1] | ug/L | 1 | 0.45 | 1.4 | 04/11/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/11/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/11/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 03/30/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 04/11/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 04/11/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/11/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 7.1 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 7.1 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 35 | ug/L | 1 | 1.0* | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 32 | ug/L | 1 | 1.0* | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/30/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/30/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.5] | ug/L | 1 | 0.71 | 2.3 | 04/11/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | [1.1] | ug/L | 1 | 0.71 | 2.3 | 04/11/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 3.3 | mg/L | 1 | 0.36 | 1.3 | 04/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 3.4 | mg/L | 1 | 0.36 | 1.3 | 04/06/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 04/18/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 04/18/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | [1.3] | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | [1.2] | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 17 | mg/L | 1 | 0.033 | 0.12 | 04/06/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 17 | mg/L | 1 | 0.033 | 0.12 | 04/06/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/14/05 | SW846 7841 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/14/05 | SW846 7841 | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88072
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel/RIFS/25688375

**NS-WPAW01-0305 NLS ID: 364913**
Ref. Line 4 COC 75709 NS-WPAW01-0305 Matrix: GW
Collected: 03/21/05 14:15 Received: 03/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [7.6] | ug/L | 1 | 5.0* | 10 | 04/11/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | [5.0] | ug/L | 1 | 5.0* | 10 | 04/11/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/25/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/28/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/23/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 03/31/05 | SW846 8270C | 721026460 |

**NS-WQTrip Blank5-0305 NLS ID: 364914**
Ref. Line 6 COC 75709 NS-WQTrip Blank5-0305 Matrix: TB
Collected: 03/21/05 00:00 Received: 03/22/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 03/28/05 | SW846 8260 | 721026460 |

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88110**

**Project Description: Xcel/R1FS/25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 05/03/2005 15:33**

**Sample: 365073** **NS-GWMW01NET-0305** **Collected: 03/22/05** **Analyzed: 03/29/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 1900 | ug/L | 200 | 28 | 95 |
| sec-Butylbenzene | ND | ug/L | 200 | 27 | 90 |
| Ethylbenzene | 390 | ug/L | 200 | 33 | 110 |
| ortho-Xylene | 180 | ug/L | 200 | 43 | 140 |
| Styrene | ND | ug/L | 200 | 29 | 97 |
| Toluene | ND | ug/L | 200 | 50 | 170 |
| 1,2,4-Trimethylbenzene | 110 | ug/L | 200 | 31 | 100 |
| 1,3,5-Trimethylbenzene | [32] | ug/L | 200 | 29 | 98 |
| meta,para-Xylene | [160] | ug/L | 200 | 70 | 230 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 200 | 41 | 140 |
| Dibromofluoromethane (SURR**) | 95% | | | | |
| Toluene-d8 (SURR**) | 96% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 96% | | | | |

Matrix spike and matrix spike duplicate recoveries for Toluene could not be quantitated effectively due to sample matrix.

**Sample: 365074** **NS-GWMW02NET-0305** **Collected: 03/22/05** **Analyzed: 03/29/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 1000 | ug/L | 100 | 14 | 48 |
| sec-Butylbenzene | ND | ug/L | 100 | 14 | 45 |
| Ethylbenzene | 73 | ug/L | 100 | 17 | 56 |
| ortho-Xylene | [39] | ug/L | 100 | 22 | 72 |
| Styrene | ND | ug/L | 100 | 15 | 49 |
| Toluene | 200 | ug/L | 100 | 25 | 83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 100 | 16 | 52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 100 | 15 | 49 |
| meta,para-Xylene | [47] | ug/L | 100 | 35 | 120 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 100 | 21 | 68 |
| Dibromofluoromethane (SURR**) | 96% | | | | |
| Toluene-d8 (SURR**) | 99% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 96% | | | | |

Matrix spike and matrix spike duplicate recoveries for Toluene could not be quantitated effectively due to sample matrix.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88110**

**Project Description: Xcel/R1FS 25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 05/03/2005 15:33**

**Sample: 365075 NS-GWMW02ANET-0305** **Collected: 03/22/05** **Analyzed: 03/29/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 31 | ug/L | 10 | 1.4 | 4.8 |
| sec-Butylbenzene | ND | ug/L | 10 | 1.4 | 4.5 |
| Ethylbenzene | 16 | ug/L | 10 | 1.7 | 5.6 |
| ortho-Xylene | 39 | ug/L | 10 | 2.2 | 7.2 |
| Styrene | 74 | ug/L | 10 | 1.5 | 4.9 |
| Toluene | 150 | ug/L | 10 | 2.5 | 8.3 |
| 1,2,4-Trimethylbenzene | 25 | ug/L | 10 | 1.6 | 5.2 |
| 1,3,5-Trimethylbenzene | 6.4 | ug/L | 10 | 1.5 | 4.9 |
| meta,para-Xylene | 80 | ug/L | 10 | 3.5 | 12 |
| 1,2,3-Trimethylbenzene | 9.2 | ug/L | 10 | 2.1 | 6.8 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 101% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 99% | | | | |

Matrix spike and matrix spike duplicate recoveries for Toluene could not be quantitated effectively due to sample matrix.
Matrix spike recovery exceeded in-house control limits for 1,2,3-Trimethylbenzene.

**Sample: 365076 NS-GWMW02BNET-0305** **Collected: 03/22/05** **Analyzed: 03/29/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 19000 | ug/L | 2000 | 280 | 950 |
| sec-Butylbenzene | ND | ug/L | 2000 | 270 | 900 |
| Ethylbenzene | 4000 | ug/L | 2000 | 330 | 1100 |
| ortho-Xylene | 1400 | ug/L | 2000 | 430 | 1400 |
| Styrene | [600] | ug/L | 2000 | 290 | 970 |
| Toluene | 10000 | ug/L | 2000 | 500 | 1700 |
| 1,2,4-Trimethylbenzene | [370] | ug/L | 2000 | 310 | 1000 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 2000 | 290 | 980 |
| meta,para-Xylene | 2800 | ug/L | 2000 | 700 | 2300 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 2000 | 410 | 1400 |
| Dibromofluoromethane (SURR**) | 101% | | | | |
| Toluene-d8 (SURR**) | 99% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

Matrix spike and matrix spike duplicate recoveries for Toluene could not be quantitated effectively due to sample matrix.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88110**

***Project Description: Xcel/R1FS/25688375***

**Project Title:** **Template: SAT2NSP** **Printed: 05/03/2005 15:33**

**Sample: 365077** **NS-GWMW03NET-0305** **Collected: 03/22/05** **Analyzed: 03/29/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 2 | 0.28 | 0.95 |
| sec-Butylbenzene | ND | ug/L | 2 | 0.27 | 0.90 |
| Ethylbenzene | ND | ug/L | 2 | 0.33 | 1.1 |
| ortho-Xylene | ND | ug/L | 2 | 0.43 | 1.4 |
| Styrene | ND | ug/L | 2 | 0.29 | 0.97 |
| Toluene | 5.8 | ug/L | 2 | 0.50 | 1.7 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 2 | 0.31 | 1.0 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 2 | 0.29 | 0.98 |
| meta,para-Xylene | ND | ug/L | 2 | 0.70 | 2.3 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 2 | 0.41 | 1.4 |
| Dibromofluoromethane (SURR**) | 104% | | | | |
| Toluene-d8 (SURR**) | 103% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 106% | | | | |

Matrix spike and matrix spike duplicate recoveries for Toluene could not be quantitated effectively due to sample matrix.
Sample diluted due to non-target compounds.

**Sample: 365078** **NS-GWMW11-0305** **Collected: 03/22/05** **Analyzed: 03/29/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 21 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 108% | | | | |
| Toluene-d8 (SURR**) | 116% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 113% | | | | |

Matrix spike and matrix spike duplicate recoveries for Toluene could not be quantitated effectively due to sample matrix.

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88110**
**Project Description: Xcel/R1FS/25688375**
**Project Title:** **Template: SAT2NSP** **Printed: 05/03/2005 15:33**

**Sample: 365079** **NS-WQDUP5-0305** **Collected: 03/22/05** **Analyzed: 03/29/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 28 | ug/L | 10 | 1.4 | 4.8 |
| sec-Butylbenzene | ND | ug/L | 10 | 1.4 | 4.5 |
| Ethylbenzene | 13 | ug/L | 10 | 1.7 | 5.6 |
| ortho-Xylene | 33 | ug/L | 10 | 2.2 | 7.2 |
| Styrene | 65 | ug/L | 10 | 1.5 | 4.9 |
| Toluene | 240 | ug/L | 10 | 2.5 | 8.3 |
| 1,2,4-Trimethylbenzene | 22 | ug/L | 10 | 1.6 | 5.2 |
| 1,3,5-Trimethylbenzene | 5.6 | ug/L | 10 | 1.5 | 4.9 |
| meta,para-Xylene | 68 | ug/L | 10 | 3.5 | 12 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 10 | 2.1 | 6.8 |
| Dibromofluoromethane (SURR**) | 101% | | | | |
| Toluene-d8 (SURR**) | 102% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

Matrix spike and matrix spike duplicate recoveries for Toluene could not be quantitated effectively due to sample matrix.
Toluene result reported beyond calibration range.

**Sample: 365080** **NS-WQTrip Blank6 0305** **Collected: 03/22/05** **Analyzed: 03/29/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 3.0 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 109% | | | | |
| Toluene-d8 (SURR**) | 111% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 103% | | | | |

Matrix spike and matrix spike duplicate recoveries for Toluene could not be quantitated effectively due to sample matrix.

** Surrogates are used to evaluate a method's Quality Control.

# ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88110**
**Project Description: Xcel/R1FS/25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 05/03/2005 15:33**

**Sample: 365073** **NS-GWMW01NET-0305** **Collected: 03/22/05** **Analyzed: 04/01/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 140 | ug/L | 25 | 27 | 89 |
| Acenaphthylene | ND | ug/L | 25 | 26 | 87 |
| Anthracene | ND | ug/L | 25 | 25 | 82 |
| Benzo[a]anthracene | ND | ug/L | 25 | 23 | 76 |
| Benzo[a]pyrene | ND | ug/L | 25 | 26 | 86 |
| Benzo[b]fluoranthene | ND | ug/L | 25 | 23 | 76 |
| Benzo[g,h,i]perylene | ND | ug/L | 25 | 25 | 84 |
| Benzo[k]fluoranthene | ND | ug/L | 25 | 29 | 98 |
| Chrysene | ND | ug/L | 25 | 25 | 84 |
| Dibenzo[a,h]anthracene | ND | ug/L | 25 | 25 | 83 |
| Dibenzofuran | ND | ug/L | 25 | 27 | 91 |
| Fluoranthene | ND | ug/L | 25 | 24 | 81 |
| Fluorene | [42] | ug/L | 25 | 25 | 83 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 25 | 24 | 78 |
| 1-Methylnaphthalene | 400 | ug/L | 25 | 26 | 88 |
| 2-Methylnaphthalene | 110 | ug/L | 25 | 26 | 88 |
| 2-Methylphenol | ND | ug/L | 25 | 22 | 75 |
| 3 & 4-Methylphenol | ND | ug/L | 25 | 36 | 120 |
| Naphthalene | 930 | ug/L | 25 | 27 | 89 |
| Phenanthrene | [44] | ug/L | 25 | 24 | 81 |
| Phenol | ND | ug/L | 25 | 13 | 42 |
| Pyrene | ND | ug/L | 25 | 23 | 78 |
| Benzo[e]pyrene | ND | ug/L | 25 | 26 | 86 |
| 2-Fluorophenol (SURR**) | 34% | | | | |
| Phenol-d5 (SURR**) | 23% | | | | |
| Nitrobenzene-d5 (SURR**) | 69% | | | | |
| 2-Fluorobiphenyl (SURR**) | 80% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 80% | | | | |
| Terphenyl-d14 (SURR**) | 111% | | | | |

A 5 fold dilution was performed during extraction.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88110**
**Project Description: Xcel/R1FS/25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 05/03/2005 15:33**

**Sample: 365074** **NS-GWMW02NET-0305** **Collected: 03/22/05** **Analyzed: 04/01/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [29] | ug/L | 10 | 11 | 36 |
| Acenaphthylene | ND | ug/L | 10 | 10 | 35 |
| Anthracene | ND | ug/L | 10 | 9.8 | 33 |
| Benzo[a]anthracene | ND | ug/L | 10 | 9.2 | 31 |
| Benzo[a]pyrene | ND | ug/L | 10 | 10 | 34 |
| Benzo[b]fluoranthene | ND | ug/L | 10 | 9.2 | 31 |
| Benzo[g,h,i]perylene | ND | ug/L | 10 | 10 | 34 |
| Benzo[k]fluoranthene | ND | ug/L | 10 | 12 | 39 |
| Chrysene | ND | ug/L | 10 | 10 | 34 |
| Dibenzo[a,h]anthracene | ND | ug/L | 10 | 9.9 | 33 |
| Dibenzofuran | ND | ug/L | 10 | 11 | 36 |
| Fluoranthene | ND | ug/L | 10 | 9.7 | 32 |
| Fluorene | ND | ug/L | 10 | 9.9 | 33 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 10 | 9.4 | 31 |
| 1-Methylnaphthalene | 84 | ug/L | 10 | 11 | 35 |
| 2-Methylnaphthalene | 77 | ug/L | 10 | 11 | 35 |
| 2-Methylphenol | ND | ug/L | 10 | 9.0 | 30 |
| 3 & 4-Methylphenol | ND | ug/L | 10 | 14 | 48 |
| Naphthalene | 310 | ug/L | 10 | 11 | 36 |
| Phenanthrene | ND | ug/L | 10 | 9.8 | 33 |
| Phenol | [6.9] | ug/L | 10 | 5.1 | 17 |
| Pyrene | ND | ug/L | 10 | 9.4 | 31 |
| Benzo[e]pyrene | ND | ug/L | 10 | 10 | 34 |
| 2-Fluorophenol (SURR**) | 35% | | | | |
| Phenol-d5 (SURR**) | 24% | | | | |
| Nitrobenzene-d5 (SURR**) | 73% | | | | |
| 2-Fluorobiphenyl (SURR**) | 87% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 73% | | | | |
| Terphenyl-d14 (SURR**) | 105% | | | | |

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88110**
**Project Description: Xcel/R1FS/25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 05/03/2005 15:33**

**Sample: 365075** **NS-GWMW02ANET-0305** **Collected: 03/22/05** **Analyzed: 04/01/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 5 | 5.3 | 18 |
| Acenaphthylene | [6.2] | ug/L | 5 | 5.2 | 17 |
| Anthracene | ND | ug/L | 5 | 4.9 | 16 |
| Benzo[a]anthracene | ND | ug/L | 5 | 4.6 | 15 |
| Benzo[a]pyrene | ND | ug/L | 5 | 5.1 | 17 |
| Benzo[b]fluoranthene | ND | ug/L | 5 | 4.6 | 15 |
| Benzo[g,h,i]perylene | ND | ug/L | 5 | 5.0 | 17 |
| Benzo[k]fluoranthene | ND | ug/L | 5 | 5.9 | 20 |
| Chrysene | ND | ug/L | 5 | 5.1 | 17 |
| Dibenzo[a,h]anthracene | ND | ug/L | 5 | 5.0 | 17 |
| Dibenzofuran | ND | ug/L | 5 | 5.4 | 18 |
| Fluoranthene | ND | ug/L | 5 | 4.9 | 16 |
| Fluorene | ND | ug/L | 5 | 5.0 | 17 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 5 | 4.7 | 16 |
| 1-Methylnaphthalene | 18 | ug/L | 5 | 5.3 | 18 |
| *2-Methylnaphthalene* | 23 | ug/L | 5 | 5.3 | 18 |
| 2-Methylphenol | ND | ug/L | 5 | 4.5 | 15 |
| 3 & 4-Methylphenol | ND | ug/L | 5 | 7.2 | 24 |
| Naphthalene | 180 | ug/L | 5 | 5.4 | 18 |
| Phenanthrene | ND | ug/L | 5 | 4.9 | 16 |
| Phenol | ND | ug/L | 5 | 2.5 | 8.5 |
| Pyrene | ND | ug/L | 5 | 4.7 | 16 |
| Benzo[e]pyrene | ND | ug/L | 5 | 5.1 | 17 |
| 2-Fluorophenol (SURR**) | 39% | | | | |
| Phenol-d5 (SURR**) | 24% | | | | |
| Nitrobenzene-d5 (SURR**) | 70% | | | | |
| 2-Fluorobiphenyl (SURR**) | 77% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 84% | | | | |
| Terphenyl-d14 (SURR**) | 93% | | | | |

A 2 fold dilution was performed during extraction.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88110**
**Project Description: Xcel/R1FS/25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 05/03/2005 15:33**

**Sample: 365076** **NS-GWMW02BNE -0305** **Collected: 03/22/05** **Analyzed: 04/01/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 100 | 110 | 360 |
| Acenaphthylene | ND | ug/L | 100 | 100 | 350 |
| Anthracene | ND | ug/L | 100 | 98 | 330 |
| Benzo[a]anthracene | ND | ug/L | 100 | 92 | 310 |
| Benzo[a]pyrene | ND | ug/L | 100 | 100 | 340 |
| Benzo[b]fluoranthene | ND | ug/L | 100 | 92 | 310 |
| Benzo[g,h,i]perylene | ND | ug/L | 100 | 100 | 340 |
| Benzo[k]fluoranthene | ND | ug/L | 100 | 120 | 390 |
| Chrysene | ND | ug/L | 100 | 100 | 340 |
| Dibenzo[a,h]anthracene | ND | ug/L | 100 | 99 | 330 |
| Dibenzofuran | ND | ug/L | 100 | 110 | 360 |
| Fluoranthene | ND | ug/L | 100 | 97 | 320 |
| Fluorene | ND | ug/L | 100 | 99 | 330 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 100 | 94 | 310 |
| 1-Methylnaphthalene | 380 | ug/L | 100 | 110 | 350 |
| 2-Methylnaphthalene | 530 | ug/L | 100 | 110 | 350 |
| 2-Methylphenol | [110] | ug/L | 100 | 90 | 300 |
| 3 & 4-Methylphenol | ND | ug/L | 100 | 140 | 480 |
| Naphthalene | 4000 | ug/L | 100 | 110 | 360 |
| Phenanthrene | ND | ug/L | 100 | 98 | 330 |
| Phenol | ND | ug/L | 100 | 51 | 170 |
| Pyrene | ND | ug/L | 100 | 94 | 310 |
| Benzo[e]pyrene | ND | ug/L | 100 | 100 | 340 |
| 2-Fluorophenol (SURR**) | 39% | | | | |
| Phenol-d5 (SURR**) | 24% | | | | |
| Nitrobenzene-d5 (SURR**) | 73% | | | | |
| 2-Fluorobiphenyl (SURR**) | 86% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 78% | | | | |
| Terphenyl-d14 (SURR**) | 107% | | | | |

A 10 fold dilution was performed during extraction.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88110**
**Project Description: Xcel/R1FS/25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 05/03/2005 15:33**

**Sample: 365077** **NS-GWMW03NET-0305** **Collected: 03/22/05** **Analyzed: 04/01/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 40 | 43 | 140 |
| Acenaphthylene | [42] | ug/L | 40 | 42 | 140 |
| Anthracene | [45] | ug/L | 40 | 39 | 130 |
| Benzo[a]anthracene | 130 | ug/L | 40 | 37 | 120 |
| Benzo[a]pyrene | 160 | ug/L | 40 | 41 | 140 |
| Benzo[b]fluoranthene | 120 | ug/L | 40 | 37 | 120 |
| Benzo[g,h,i]perylene | [100] | ug/L | 40 | 40 | 130 |
| Benzo[k]fluoranthene | ND | ug/L | 40 | 47 | 160 |
| Chrysene | 160 | ug/L | 40 | 40 | 130 |
| Dibenzo[a,h]anthracene | ND | ug/L | 40 | 40 | 130 |
| Dibenzofuran | ND | ug/L | 40 | 44 | 150 |
| Fluoranthene | 220 | ug/L | 40 | 39 | 130 |
| Fluorene | ND | ug/L | 40 | 40 | 130 |
| Indeno[1,2,3-cd]pyrene | [68] | ug/L | 40 | 38 | 130 |
| 1-Methylnaphthalene | ND | ug/L | 40 | 42 | 140 |
| 2-Methylnaphthalene | ND | ug/L | 40 | 42 | 140 |
| 2-Methylphenol | ND | ug/L | 40 | 36 | 120 |
| 3 & 4-Methylphenol | ND | ug/L | 40 | 57 | 190 |
| Naphthalene | ND | ug/L | 40 | 43 | 140 |
| Phenanthrene | [54] | ug/L | 40 | 39 | 130 |
| Phenol | ND | ug/L | 40 | 20 | 68 |
| Pyrene | 380 | ug/L | 40 | 37 | 120 |
| Benzo[e]pyrene | [120] | ug/L | 40 | 41 | 140 |
| 2-Fluorophenol (SURR**) | 28% | | | | |
| Phenol-d5 (SURR**) | 23% | | | | |
| Nitrobenzene-d5 (SURR**) | 89% | | | | |
| 2-Fluorobiphenyl (SURR**) | 90% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 56% | | | | |
| Terphenyl-d14 (SURR**) | 104% | | | | |

A 2 fold dilution was performed during extraction.
Additional non-target compounds detected.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88110**
**Project Description: Xcel/R1FS/25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 05/03/2005 15:33**

**Sample: 365078** **NS-GWMW11-030** **Collected: 03/22/05** **Analyzed: 04/01/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| 2-Fluorophenol (SURR**) | 40% | | | | |
| Phenol-d5 (SURR**) | 26% | | | | |
| Nitrobenzene-d5 (SURR**) | 67% | | | | |
| 2-Fluorobiphenyl (SURR**) | 71% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 78% | | | | |
| Terphenyl-d14 (SURR**) | 85% | | | | |

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88110**
**Project Description: Xcel/R1FS/25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 05/03/2005 15:33**

**Sample: 365079** **NS-WQDUP5-0305** **Collected: 03/22/05** **Analyzed: 04/01/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 5 | 5.3 | 18 |
| Acenaphthylene | [6.3] | ug/L | 5 | 5.2 | 17 |
| Anthracene | ND | ug/L | 5 | 4.9 | 16 |
| Benzo[a]anthracene | ND | ug/L | 5 | 4.6 | 15 |
| Benzo[a]pyrene | ND | ug/L | 5 | 5.1 | 17 |
| Benzo[b]fluoranthene | ND | ug/L | 5 | 4.6 | 15 |
| Benzo[g,h,i]perylene | ND | ug/L | 5 | 5.0 | 17 |
| Benzo[k]fluoranthene | ND | ug/L | 5 | 5.9 | 20 |
| Chrysene | ND | ug/L | 5 | 5.1 | 17 |
| Dibenzo[a,h]anthracene | ND | ug/L | 5 | 5.0 | 17 |
| Dibenzofuran | ND | ug/L | 5 | 5.4 | 18 |
| Fluoranthene | ND | ug/L | 5 | 4.9 | 16 |
| Fluorene | ND | ug/L | 5 | 5.0 | 17 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 5 | 4.7 | 16 |
| 1-Methylnaphthalene | 19 | ug/L | 5 | 5.3 | 18 |
| 2-Methylnaphthalene | 23 | ug/L | 5 | 5.3 | 18 |
| 2-Methylphenol | ND | ug/L | 5 | 4.5 | 15 |
| 3 & 4-Methylphenol | ND | ug/L | 5 | 7.2 | 24 |
| Naphthalene | 180 | ug/L | 5 | 5.4 | 18 |
| Phenanthrene | ND | ug/L | 5 | 4.9 | 16 |
| Phenol | ND | ug/L | 5 | 2.5 | 8.5 |
| Pyrene | ND | ug/L | 5 | 4.7 | 16 |
| Benzo[e]pyrene | ND | ug/L | 5 | 5.1 | 17 |
| 2-Fluorophenol (SURR**) | 38% | | | | |
| Phenol-d5 (SURR**) | 25% | | | | |
| Nitrobenzene-d5 (SURR**) | 72% | | | | |
| 2-Fluorobiphenyl (SURR**) | 81% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 84% | | | | |
| Terphenyl-d14 (SURR**) | 101% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88110
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel/R1FS/25688375

**NS-GWMW01NET-0305 NLS ID: 365073**
Ref. Line 1 COC 75710 NS-GWMW01NET-0305 Matrix: GW
Collected: 03/22/05 09:00 Received: 03/23/05
Notes: Hexavalent Chromium Collected @ 13:40

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | 0.021 | mg/L | 1 | 0.010 | 0.020 | 04/13/05 | SW846 6010 | 721026460 |
| Aluminum, tot. recoverable as Al by ICP-Trace | 0.56 | mg/L | 1 | 0.010 | 0.020 | 04/11/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | [3.4] | ug/L | 1 | 2.0 | 7.1 | 04/19/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [2.1] | ug/L | 1 | 2.0 | 7.1 | 04/19/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [3.9] | ug/L | 2 | 3.2 | 11 | 04/18/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.3] | ug/L | 1 | 1.6 | 5.6 | 04/18/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 180 | ug/L | 1 | 2.5* | 5.0 | 04/11/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 180 | ug/L | 1 | 2.5* | 5.0 | 04/11/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/14/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/13/05 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/11/05 | SW846 6010 | 721026460 |
| Cadmium, tot recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/11/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 53 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 53 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 8.9 | ug/L | 1 | 3.6* | | 03/23/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 04/13/05 | Calc. | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | 1.9 | ug/L | 1 | 0.45 | 1.4 | 04/11/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | 8.1 | ug/L | 1 | 0.45 | 1.4 | 04/11/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | [0.74] | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/11/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | 7.3 | ug/L | 1 | 1.3 | 4.0 | 04/11/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 03/30/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 4.3 | mg/L | 1 | 0.033 | 0.10 | 04/11/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | 5.6 | mg/L | 1 | 0.033 | 0.10 | 04/11/05 | SW846 6010 | 721026460 |
| Lead dis. as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/11/05 | SW846 6010 | 721026460 |
| Lead tot. recoverable as Pb by ICP-Trace | [1.9] | ug/L | 1 | 1.0 | 3.3 | 04/11/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 17 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 18 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 410 | ug/L | 1 | 1.0* | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 420 | ug/L | 1 | 1.0* | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/30/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/30/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.1] | ug/L | 1 | 0.71 | 2.3 | 04/11/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | 5.2 | ug/L | 1 | 0.71 | 2.3 | 04/11/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.7 | mg/L | 1 | 0.36 | 1.3 | 04/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 4.6 | mg/L | 1 | 0.36 | 1.3 | 04/06/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 04/18/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 04/18/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | [2.0] | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | [1.6] | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 59 | mg/L | 1 | 0.033 | 0.12 | 04/06/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 57 | mg/L | 1 | 0.033 | 0.12 | 04/06/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/16/05 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 88110
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel/R1FS/25688375

**NS-GWMW01NET-0305 NLS ID: 365073**
Ref. Line 1 COC 75710 NS-GWMW01NET-0305 Matrix: GW
Collected: 03/22/05 09:00 Received: 03/23/05
Notes: Hexavalent Chromium Collected @ 13:40

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/16/05 | SW846 7841 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [1.3] | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | 3.6 | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 04/11/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | 25 | ug/L | 1 | 5.0* | 10 | 04/11/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/25/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/29/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/26/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 04/01/05 | SW846 8270C | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88110
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel/R1FS/25688375

**NS-GWMW02NET-0305 NLS ID: 365074**
Ref. Line 2 COC 75710 NS-GWMW02NET-0305 Matrix: GW
Collected: 03/22/05 09:30 Received: 03/23/05
Notes: Hexavalent Chromium Collected @ 13:25

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | [0.019] | mg/L | 1 | 0.010 | 0.020 | 04/13/05 | SW846 6010 | 721026460 |
| Aluminum, tot. recoverable as Al by ICP-Trace | 3.6 | mg/L | 1 | 0.010 | 0.020 | 04/11/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | [3.8] | ug/L | 1 | 2.0 | 7.1 | 04/19/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [3.0] | ug/L | 1 | 2.0 | 7.1 | 04/19/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [2.4] | ug/L | 1 | 1.6 | 5.6 | 04/18/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [4.0] | ug/L | 1 | 1.6 | 5.6 | 04/18/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 110 | ug/L | 1 | 2.5* | 5.0 | 04/11/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 100 | ug/L | 1 | 2.5* | 5.0 | 04/11/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/13/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/13/05 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/11/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | [0.34] | ug/L | 1 | 0.17 | 0.50 | 04/11/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 67 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 57 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 13 | ug/L | 1 | 3.6* | | 03/23/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 25 | ug/L | 1 | 3.6* | | 04/13/05 | Calc. | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | 1.8 | ug/L | 1 | 0.45 | 1.4 | 04/11/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | 38 | ug/L | 1 | 0.45 | 1.4 | 04/11/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | 2.6 | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/11/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | 15 | ug/L | 1 | 1.3 | 4.0 | 04/11/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.0070] | mg/L | 1 | 0.0050 | 0.015 | 03/30/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 5.5 | mg/L | 1 | 0.033 | 0.10 | 04/11/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | 7.9 | mg/L | 1 | 0.033 | 0.10 | 04/11/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | 6.2 | ug/L | 1 | 1.0 | 3.3 | 04/11/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 18 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 17 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 340 | ug/L | 1 | 1.0* | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 280 | ug/L | 1 | 1.0* | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/30/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/30/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [2.0] | ug/L | 1 | 0.71 | 2.3 | 04/11/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | 13 | ug/L | 1 | 0.71 | 2.3 | 04/11/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 6.0 | mg/L | 1 | 0.36 | 1.3 | 04/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 6.2 | mg/L | 1 | 0.36 | 1.3 | 04/06/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 04/18/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 04/18/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | [1.7] | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | [1.5] | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 140 | mg/L | 1 | 0.033 | 0.12 | 04/06/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 98 | mg/L | 1 | 0.033 | 0.12 | 04/06/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/16/05 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 88110
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
*10200 West Innovation Drive #500*
Milwaukee,WI 53226 4827

Project: Xcel/R1FS/25688375

**NS-GWMW02NET-0305 NLS ID: 365074**
Ref. Line 2 COC 75710 NS-GWMW02NET-0305 Matrix: GW
Collected: 03/22/05 09:30 Received: 03/23/05
Notes: Hexavalent Chromium Collected @ 13:25

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 2 | 4.7 | 17 | 04/16/05 | SW846 7841 | 721026460 |
| | Sample required a dilution to overcome negative interference encountered during analysis. | | | | | | | |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | 7.7 | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 04/11/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | 52 | ug/L | 1 | 5.0* | 10 | 04/11/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/25/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/29/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/26/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 04/01/05 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel/R1FS/25688375

NLS Project: 88110
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**NS-GWMW02ANET-0305 NLS ID: 355075**
Ref. Line 3 COC 75710 NS-GWMW02ANET-0305 Matrix: GW
Collected: 03/22/05 13:00 Received: 03/23/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.010 | 0.020 | 04/13/05 | SW846 6010 | 721026460 |
| Aluminum, tot. recoverable as Al by ICP-Trace | 0.11 | mg/L | 1 | 0.010 | 0.020 | 04/11/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 04/19/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 04/19/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [4.9] | ug/L | 1 | 1.6 | 5.6 | 04/18/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [4.6] | ug/L | 1 | 1.6 | 5.6 | 04/18/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 140 | ug/L | 1 | 2.5* | 5.0 | 04/11/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 140 | ug/L | 1 | 2.5* | 5.0 | 04/11/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/13/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/13/05 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/11/05 | SW846 6010 | 721026460 |
| Cadmium, tot recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/11/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 19 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 19 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 03/23/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 04/13/05 | Calc. | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [1.2] | ug/L | 1 | 0.45 | 1.4 | 04/11/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | [1.2] | ug/L | 1 | 0.45 | 1.4 | 04/11/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/11/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/11/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 03/30/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 04/11/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | [0.099] | mg/L | 1 | 0.033 | 0.10 | 04/11/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [1.2] | ug/L | 1 | 1.0 | 3.3 | 04/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/11/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 7.3 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 7.4 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 18 | ug/L | 1 | 1.0* | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 20 | ug/L | 1 | 1.0* | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/30/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/30/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [0.90] | ug/L | 1 | 0.71 | 2.3 | 04/11/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | [1.5] | ug/L | 1 | 0.71 | 2.3 | 04/11/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.0 | mg/L | 1 | 0.36 | 1.3 | 04/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 4.0 | mg/L | 1 | 0.36 | 1.3 | 04/06/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 04/18/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 04/18/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | [1.1] | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | [1.3] | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 16 | mg/L | 1 | 0.033 | 0.12 | 04/06/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 16 | mg/L | 1 | 0.033 | 0.12 | 04/06/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/16/05 | SW846 7841 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/16/05 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel/R1FS/25688375

NLS Project: 88110
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**NS-GWMW02ANET-0305 NLS ID: 365075**
Ref. Line 3 COC 75710 NS-GWMW02ANET-0305 Matrix: GW
Collected: 03/22/05 13:00 Received: 03/23/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [5.2] | ug/L | 1 | 5.0* | 10 | 04/11/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 04/11/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/25/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/29/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/26/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 04/01/05 | SW846 8270C | 721026460 |

NORTHERN [illegible]E SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105[illegible]0
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88110
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel/R1FS/25688375

**NS-GWMW02BNET-0305 NLS ID: 365076**
Ref. Line 4 COC 75710 NS-GWMW02BNET-0305 Matrix: GW
Collected: 03/22/05 13:30 Received: 03/23/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.010 | 0.020 | 04/11/05 | SW846 6010 | 721026460 |
| Aluminum, tot. recoverable as Al by ICP-Trace | [0.011] | mg/L | 1 | 0.010 | 0.020 | 04/11/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | [3.9] | ug/L | 1 | 2.0 | 7.1 | 04/19/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [3.3] | ug/L | 1 | 2.0 | 7.1 | 04/19/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [3.6] | ug/L | 1 | 1.6 | 5.6 | 04/18/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.6] | ug/L | 1 | 1.6 | 5.6 | 04/18/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 600 | ug/L | 1 | 2.5* | 5.0 | 04/11/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 580 | ug/L | 1 | 2.5* | 5.0 | 04/11/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/13/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/13/05 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/11/05 | SW846 6010 | 721026460 |
| Cadmium, tot recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/11/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 75 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 74 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 5.0 | ug/L | 1 | 3.6* | | 03/23/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | ug/L | | 3.6* | | 04/13/05 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | |
| Chromium, dis. as Cr by ICP-Trace | [0.74] | ug/L | 1 | 0.45 | 1.4 | 04/11/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | [1.2] | ug/L | 1 | 0.45 | 1.4 | 04/11/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/11/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/11/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 03/30/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 0.38 | mg/L | 1 | 0.033 | 0.10 | 04/11/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | 0.38 | mg/L | 1 | 0.033 | 0.10 | 04/11/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/11/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 39 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 38 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 130 | ug/L | 1 | 1.0* | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 130 | ug/L | 1 | 1.0* | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/30/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/30/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [0.73] | ug/L | 1 | 0.71 | 2.3 | 04/11/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | [2.1] | ug/L | 1 | 0.71 | 2.3 | 04/11/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 7.1 | mg/L | 1 | 0.36 | 1.3 | 04/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 6.9 | mg/L | 1 | 0.36 | 1.3 | 04/06/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 04/18/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 04/18/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | [0.76] | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | [1.3] | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 27 | mg/L | 1 | 0.033 | 0.12 | 04/06/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 27 | mg/L | 1 | 0.033 | 0.12 | 04/06/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/16/05 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 88110
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel/R1FS/25688375

**NS-GWMW02BNET-0305 NLS ID: 365076**
Ref. Line 4 COC 75710 NS-GWMW02BNET-0305 Matrix: GW
Collected: 03/22/05 13:30 Received: 03/23/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/16/05 | SW846 7841 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [5.4] | ug/L | 1 | 5.0* | 10 | 04/11/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 04/11/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/25/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/29/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/26/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 04/01/05 | SW846 8270C | 721026460 |

NORTHERN BLUE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel/R1FS/25688375

NLS Project: 88110
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

**NS-GWMW03NET-0305 NLS ID: 365077**
Ref. Line 5 COC 75710 NS-GWMW03NET-0305 Matrix: GW
Collected: 03/22/05 10:00 Received: 03/23/05
Notes: Hexavalent Chromium Collected @ 13:50

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | [0.019] | mg/L | 1 | 0.010 | 0.020 | 04/13/05 | SW846 6010 | 721026460 |
| Aluminum, tot. recoverable as Al by ICP-Trace | 4.2 | mg/L | 1 | 0.010 | 0.020 | 04/11/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | [4.6] | ug/L | 1 | 2.0 | 7.1 | 04/19/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [3.9] | ug/L | 1 | 2.0 | 7.1 | 04/19/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | ND | ug/L | 1 | 1.6 | 5.6 | 04/18/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [3.2] | ug/L | 1 | 1.6 | 5.6 | 04/18/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 150 | ug/L | 1 | 2.5* | 5.0 | 04/11/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 200 | ug/L | 1 | 2.5* | 5.0 | 04/11/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/13/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/13/05 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/11/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/11/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 120 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 120 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 5.0 | ug/L | 1 | 3.6* | | 03/23/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 170 | ug/L | 1 | 3.6* | | 04/13/05 | Calc. | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | 2.9 | ug/L | 1 | 0.45 | 1.4 | 04/11/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | 180 | ug/L | 1 | 0.45 | 1.4 | 04/11/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | 3.2 | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | 18 | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/11/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | 15 | ug/L | 1 | 1.3 | 4.0 | 04/11/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 03/30/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 2.1 | mg/L | 1 | 0.033 | 0.10 | 04/11/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | 8.4 | mg/L | 1 | 0.033 | 0.10 | 04/11/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | 5.7 | ug/L | 1 | 1.0 | 3.3 | 04/11/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 29 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 33 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 1000 | ug/L | 1 | 1.0* | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 1200 | ug/L | 1 | 1.0* | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/30/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/30/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 51 | ug/L | 1 | 0.71 | 2.3 | 04/11/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | 340 | ug/L | 1 | 0.71 | 2.3 | 04/11/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 7.9 | mg/L | 1 | 0.36 | 1.3 | 04/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 9.2 | mg/L | 1 | 0.36 | 1.3 | 04/06/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 04/18/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 04/18/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | 2.5 | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | 2.2 | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 150 | mg/L | 1 | 0.033 | 0.12 | 04/06/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 180 | mg/L | 1 | 0.033 | 0.12 | 04/06/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/16/05 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 88110
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel/R1FS/25688375

**NS-GWMW03NET-0305 NLS ID: 365077**
Ref. Line 5 COC 75710 NS-GWMW03NET-0305 Matrix: GW
Collected: 03/22/05 10:00 Received: 03/23/05
Notes: Hexavalent Chromium Collected @ 13:50

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/16/05 | SW846 7841 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | 10 | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [8.8] | ug/L | 1 | 5.0* | 10 | 04/11/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | 470 | ug/L | 1 | 5.0* | 10 | 04/11/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/25/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/29/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/26/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 04/01/05 | SW846 8270C | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88110
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel/R1FS/25688375

**NS-GWMW11-0305 NLS ID: 365078**
Ref. Line 6 COC 75710 NS-GWMW11-0305 Matrix: GW
Collected: 03/22/05 14:30 Received: 03/23/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.010 | 0.020 | 04/13/05 | SW846 6010 | 721026460 |
| Aluminum, tot. recoverable as Al by ICP-Trace | 15 | mg/L | 1 | 0.010 | 0.020 | 04/11/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | [3.1] | ug/L | 1 | 2.0 | 7.1 | 04/19/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [3.2] | ug/L | 1 | 2.0 | 7.1 | 04/19/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [2.8] | ug/L | 1 | 1.6 | 5.6 | 04/18/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [4.3] | ug/L | 1 | 1.6 | 5.6 | 04/18/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 130 | ug/L | 1 | 2.5* | 5.0 | 04/11/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 260 | ug/L | 1 | 2.5* | 5.0 | 04/11/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/13/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 5 | 0.85 | 2.5 | 04/13/05 | SW846 6010 | 721026460 |
| | Dilution was required to reduce matrix interferences. | | | | | | | |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/11/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/11/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 100 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 110 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 7.6 | ug/L | 1 | 3.6* | | 03/23/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 19 | ug/L | 1 | 3.6* | | 04/13/05 | Calc. | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | 1.6 | ug/L | 1 | 0.45 | 1.4 | 04/11/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | 27 | ug/L | 1 | 0.45 | 1.4 | 04/11/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | 16 | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | 8.0 | ug/L | 1 | 1.3 | 4.0 | 04/11/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | 35 | ug/L | 1 | 1.3 | 4.0 | 04/11/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.011] | mg/L | 1 | 0.0050 | 0.015 | 03/30/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 04/11/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | 19 | mg/L | 1 | 0.033 | 0.10 | 04/11/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | 6.6 | ug/L | 1 | 1.0 | 3.3 | 04/11/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 44 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 52 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 4.4 | ug/L | 1 | 1.0* | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP Trace | 760 | ug/L | 1 | 1.0* | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/30/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/30/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.1] | ug/L | 1 | 0.71 | 2.3 | 04/11/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | 24 | ug/L | 1 | 0.71 | 2.3 | 04/11/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 1.4 | mg/L | 1 | 0.36 | 1.3 | 04/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 5.5 | mg/L | 1 | 0.36 | 1.3 | 04/06/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | [3.3] | ug/L | 1 | 1.9 | 6.4 | 04/18/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 04/18/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | [1.2] | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | 3.3 | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 36 | mg/L | 1 | 0.033 | 0.12 | 04/06/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 39 | mg/L | 1 | 0.033 | 0.12 | 04/06/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/16/05 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
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400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel/R1FS/25688375

NLS Project: 88110
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**NS-GWMW11-0305 NLS ID: 365078**
Ref. Line 6 COC 75710 NS-GWMW11-0305 Matrix: GW
Collected: 03/22/05 14:30 Received: 03/23/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/16/05 | SW846 7841 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [0.82] | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | 38 | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | 12 | ug/L | 1 | 5.0* | 10 | 04/11/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | 59 | ug/L | 1 | 5.0* | 10 | 04/11/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/25/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/29/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/26/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 04/01/05 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
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400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88110
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel/R1FS/25688375

**NS-WQDUP5-0305 NLS ID: 365079**
Ref. Line 7 COC 75710 NS-WQDUP5-0305 Matrix: GW
Collected: 03/22/05 00:00 Received: 03/23/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | [0.010] | mg/L | 1 | 0.010 | 0.020 | 04/13/05 | SW846 6010 | 721026460 |
| Aluminum, tot. recoverable as Al by ICP-Trace | 0.10 | mg/L | 1 | 0.010 | 0.020 | 04/11/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 04/19/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 04/19/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [4.3] | ug/L | 1 | 1.6 | 5.6 | 04/18/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [3.8] | ug/L | 1 | 1.6 | 5.6 | 04/18/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 140 | ug/L | 1 | 2.5* | 5.0 | 04/11/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 140 | ug/L | 1 | 2.5* | 5.0 | 04/11/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/13/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/13/05 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/11/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | [0.30] | ug/L | 1 | 0.17 | 0.50 | 04/11/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 19 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 20 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 03/23/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 04/13/05 | Calc. | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | 1.7 | ug/L | 1 | 0.45 | 1.4 | 04/11/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | [1.4] | ug/L | 1 | 0.45 | 1.4 | 04/11/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | [0.84] | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/11/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/11/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 03/30/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 04/11/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | 0.10 | mg/L | 1 | 0.033 | 0.10 | 04/11/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | [3.1] | ug/L | 1 | 1.0 | 3.3 | 04/11/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 7.4 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP Trace | 7.5 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 19 | ug/L | 1 | 1.0* | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP Trace | 21 | ug/L | 1 | 1.0* | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/30/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/30/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.0] | ug/L | 1 | 0.71 | 2.3 | 04/11/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | [1.2] | ug/L | 1 | 0.71 | 2.3 | 04/11/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 3.9 | mg/L | 1 | 0.36 | 1.3 | 04/06/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 4.0 | mg/L | 1 | 0.36 | 1.3 | 04/06/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 04/18/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 04/18/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | [1.5] | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | [1.5] | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 15 | mg/L | 1 | 0.033 | 0.12 | 04/06/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 16 | mg/L | 1 | 0.033 | 0.12 | 04/06/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/16/05 | SW846 7841 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/16/05 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel/R1FS/25688375

NLS Project: 88110
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**NS-WQDUP5-0305 NLS ID: 365079**
Ref. Line 7 COC 75710 NS-WQDUP5-0305 Matrix: GW
Collected: 03/22/05 00:00 Received: 03/23/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | [1.1] | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 04/11/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 04/11/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/25/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/29/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/26/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 04/01/05 | SW846 8270C | 721026460 |

**NS-WQTrip Blank6-0305 NLS ID: 365080**
Ref. Line 8 COC 75710 NS-WQTrip Blank6-0305 Matrix: TB
Collected: 03/22/05 00:00 Received: 03/23/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 03/29/05 | SW846 8260 | 721026460 |

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

# ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88167**
**Project Description: Xcel RIFS 25688375**
**Project Title:** **Template: SAT2NSP Printed: 05/03/2005 15:36**

**Sample: 365363 NS-GWMW24-0305** **Collected: 03/23/05** **Analyzed: 03/30/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 180 | ug/L | 12.5 | 1.8 | 5.9 |
| sec-Butylbenzene | ND | ug/L | 12.5 | 1.7 | 5.6 |
| Ethylbenzene | 9.6 | ug/L | 12.5 | 2.1 | 7.0 |
| ortho-Xylene | [5.6] | ug/L | 12.5 | 2.7 | 9.0 |
| Styrene | ND | ug/L | 12.5 | 1.8 | 6.1 |
| Toluene | [8.3] | ug/L | 12.5 | 3.1 | 10 |
| 1,2,4-Trimethylbenzene | 28 | ug/L | 12.5 | 1.9 | 6.5 |
| 1,3,5-Trimethylbenzene | [4.2] | ug/L | 12.5 | 1.8 | 6.1 |
| meta,para-Xylene | ND | ug/L | 12.5 | 4.4 | 15 |
| 1,2,3-Trimethylbenzene | [3.3] | ug/L | 12.5 | 2.6 | 8.5 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 102% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

Matrix spike and matrix spike duplicate recoveries for Toluene could not be quantitated effectively due to sample matrix.
Matrix spike and matrix spike duplicate exceeded in-house QC limits for 1,2,3-Trimethylbenzene.

**Sample: 365364 NS-GWMW24A-0305** **Collected: 03/23/05** **Analyzed: 03/30/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 79 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 104% | | | | |
| Toluene-d8 (SURR**) | 104% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 104% | | | | |

Matrix spike and matrix spike duplicate recoveries for Toluene could not be quantitated effectively due to sample matrix.
Toluene was reported beyond calibration range.
Toluene was repeated on a different vial. See reanalysis on 4/01/2005.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

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**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 05/03/2005 15:36**

**Sample: 365365** **NS-GWMW25-0305** **Collected: 03/23/05** **Analyzed: 03/30/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 700 | ug/L | 50 | 7.1 | 24 |
| sec-Butylbenzene | ND | ug/L | 50 | 6.8 | 23 |
| Ethylbenzene | 130 | ug/L | 50 | 8.4 | 28 |
| ortho-Xylene | 38 | ug/L | 50 | 11 | 36 |
| Styrene | ND | ug/L | 50 | 7.3 | 24 |
| Toluene | [12] | ug/L | 50 | 12 | 42 |
| 1,2,4-Trimethylbenzene | 32 | ug/L | 50 | 7.8 | 26 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 50 | 7.4 | 25 |
| meta,para-Xylene | [22] | ug/L | 50 | 17 | 58 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 50 | 10 | 34 |
| Dibromofluoromethane (SURR**) | 86% | | | | |
| Toluene-d8 (SURR**) | 90% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 90% | | | | |

Matrix spike and matrix spike duplicate recoveries for Toluene could not be quantitated effectively due to sample matrix.

**Sample: 365366** **NS-GWMW25A-0305** **Collected: 03/23/05** **Analyzed: 03/30/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [0.15] | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 120 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 106% | | | | |
| Toluene-d8 (SURR**) | 107% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 106% | | | | |

Matrix spike and matrix spike duplicate recoveries for Toluene could not be quantitated effectively due to sample matrix.
Toluene was reported beyond calibration range.
Toluene was repeated on a different vial. See reanalysis on 4/01/2005.

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88167**
**Project Description: Xcel RIFS 25688375**
**Project Title:** **Template: SAT2NSP** **Printed: 05/03/2005 15:36**

**Sample: 365367** **NS-GWMW26-030[illegible]** **Collected: 03/23/05** **Analyzed: 03/30/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 8.3 | ug/L | 10 | 1.4 | 4.8 |
| sec-Butylbenzene | ND | ug/L | 10 | 1.4 | 4.5 |
| Ethylbenzene | 81 | ug/L | 10 | 1.7 | 5.6 |
| ortho-Xylene | 34 | ug/L | 10 | 2.2 | 7.2 |
| Styrene | ND | ug/L | 10 | 1.5 | 4.9 |
| Toluene | 33 | ug/L | 10 | 2.5 | 8.3 |
| 1,2,4-Trimethylbenzene | 53 | ug/L | 10 | 1.6 | 5.2 |
| 1,3,5-Trimethylbenzene | 17 | ug/L | 10 | 1.5 | 4.9 |
| meta,para-Xylene | 73 | ug/L | 10 | 3.5 | 12 |
| 1,2,3-Trimethylbenzene | 21 | ug/L | 10 | 2.1 | 6.8 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 102% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 104% | | | | |

Matrix spike and matrix spike duplicate recoveries for Toluene could not be quantitated effectively due to sample matrix.
Matrix spike and matrix spike duplicate exceeded in-house QC limits for 1,2,3-Trimethylbenzene.

**Sample: 365368** **NS-GWMW26A-03[illegible]5** **Collected: 03/23/05** **Analyzed: 03/30/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [0.18] | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 130 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 104% | | | | |
| Toluene-d8 (SURR**) | 104% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 105% | | | | |

Matrix spike and matrix spike duplicate recoveries for Toluene could not be quantitated effectively due to sample matrix.
Toluene was reported beyond calibration range.
Toluene was repeated on a different vial. See reanalysis on 4/01/2005.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88167**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 05/03/2005 15:36**

**Sample: 365369** **NS-GWMW23A-0305** **Collected: 03/23/05** **Analyzed: 03/30/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 4100 | ug/L | 400 | 57 | 190 |
| sec-Butylbenzene | ND | ug/L | 400 | 54 | 180 |
| Ethylbenzene | 1200 | ug/L | 400 | 67 | 220 |
| ortho-Xylene | 1100 | ug/L | 400 | 86 | 290 |
| Styrene | 2200 | ug/L | 400 | 58 | 190 |
| Toluene | 6800 | ug/L | 400 | 100 | 330 |
| 1,2,4-Trimethylbenzene | 420 | ug/L | 400 | 62 | 210 |
| 1,3,5-Trimethylbenzene | [100] | ug/L | 400 | 59 | 200 |
| meta,para-Xylene | 2200 | ug/L | 400 | 140 | 460 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 400 | 82 | 270 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 103% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

Matrix spike and matrix spike duplicate recoveries for Toluene could not be quantitated effectively due to sample matrix.

**Sample: 365370** **NS-GWMW20A-0305** **Collected: 03/23/05** **Analyzed: 03/30/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 7.2 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 107% | | | | |
| Toluene-d8 (SURR**) | 109% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 105% | | | | |

Matrix spike and matrix spike duplicate recoveries for Toluene could not be quantitated effectively due to sample matrix.

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88167**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: SAT2NSP** **Printed: 05/03/2005 15:36**

**Sample: 365371** **NS-WQDup6-0305** **Collected: 03/23/05** **Analyzed: 03/30/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 4100 | ug/L | 400 | 57 | 190 |
| sec-Butylbenzene | ND | ug/L | 400 | 54 | 180 |
| Ethylbenzene | 1200 | ug/L | 400 | 67 | 220 |
| ortho-Xylene | 1200 | ug/L | 400 | 86 | 290 |
| Styrene | 2100 | ug/L | 400 | 58 | 190 |
| Toluene | 6800 | ug/L | 400 | 100 | 330 |
| 1,2,4-Trimethylbenzene | 430 | ug/L | 400 | 62 | 210 |
| 1,3,5-Trimethylbenzene | [110] | ug/L | 400 | 59 | 200 |
| meta,para-Xylene | 2300 | ug/L | 400 | 140 | 460 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 400 | 82 | 270 |
| Dibromofluoromethane (SURR**) | 99% | | | | |
| Toluene-d8 (SURR**) | 104% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 100% | | | | |

Matrix spike and matrix spike duplicate recoveries for Toluene could not be quantitated effectively due to sample matrix.

**Sample: 365372** **NS-WQTripBlank7-0305** **Collected: 03/23/05** **Analyzed: 03/30/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 2.5 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 107% | | | | |
| Toluene-d8 (SURR**) | 106% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 104% | | | | |

Matrix spike and matrix spike duplicate recoveries for Toluene could not be quantitated effectively due to sample matrix.

** Surrogates are used to evaluate a method's Quality Control.

# ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88167**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 05/03/2005 15:36**

**Sample: 365363** **NS-GWMW24-0305** **Collected: 03/23/05** **Analyzed: 04/02/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 27 | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | 4.8 | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | 51 | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | [2.7] | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | 24 | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | [1.8] | ug/L | 1 | 0.98 | 3.3 |
| Phenol | 2.5 | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| 2-Fluorophenol (SURR**) | 34% | | | | |
| Phenol-d5 (SURR**) | 24% | | | | |
| Nitrobenzene-d5 (SURR**) | 62% | | | | |
| 2-Fluorobiphenyl (SURR**) | 70% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 79% | | | | |
| Terphenyl-d14 (SURR**) | 54% | | | | |

Matrix spike recovery for 1-Methylnaphthalene was below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88167**
**Project Description: Xcel RIFS 25688375**
**Project Title:** **Template: 8270WNSP Printed: 05/03/2005 15:36**

**Sample: 365364 NS-GWMW24A-0305** **Collected: 03/23/05** **Analyzed: 04/02/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| 2-Fluorophenol (SURR**) | 35% | | | | |
| Phenol-d5 (SURR**) | 23% | | | | |
| Nitrobenzene-d5 (SURR**) | 61% | | | | |
| 2-Fluorobiphenyl (SURR**) | 65% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 76% | | | | |
| Terphenyl-d14 (SURR**) | 50% | | | | |

Matrix spike recovery for 1-Methylnaphthalene was below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88167**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 05/03/2005 15:36**

**Sample: 365365** **NS-GWMW25-0305** **Collected: 03/23/05** **Analyzed: 04/02/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 34 | ug/L | 4 | 4.3 | 14 |
| Acenaphthylene | ND | ug/L | 4 | 4.2 | 14 |
| Anthracene | ND | ug/L | 4 | 3.9 | 13 |
| Benzo[a]anthracene | ND | ug/L | 4 | 3.7 | 12 |
| Benzo[a]pyrene | ND | ug/L | 4 | 4.1 | 14 |
| Benzo[b]fluoranthene | ND | ug/L | 4 | 3.7 | 12 |
| Benzo[g,h,i]perylene | ND | ug/L | 4 | 4.0 | 13 |
| Benzo[k]fluoranthene | ND | ug/L | 4 | 4.7 | 16 |
| Chrysene | ND | ug/L | 4 | 4.0 | 13 |
| Dibenzo[a,h]anthracene | ND | ug/L | 4 | 4.0 | 13 |
| Dibenzofuran | ND | ug/L | 4 | 4.4 | 15 |
| Fluoranthene | ND | ug/L | 4 | 3.9 | 13 |
| Fluorene | [8.8] | ug/L | 4 | 4.0 | 13 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 4 | 3.8 | 13 |
| 1-Methylnaphthalene | 89 | ug/L | 4 | 4.2 | 14 |
| 2-Methylnaphthalene | [4.8] | ug/L | 4 | 4.2 | 14 |
| 2-Methylphenol | ND | ug/L | 4 | 3.6 | 12 |
| 3 & 4-Methylphenol | ND | ug/L | 4 | 5.7 | 19 |
| Naphthalene | 120 | ug/L | 4 | 4.3 | 14 |
| Phenanthrene | [6.1] | ug/L | 4 | 3.9 | 13 |
| Phenol | 7.5 | ug/L | 4 | 2.0 | 6.8 |
| Pyrene | ND | ug/L | 4 | 3.7 | 12 |
| Benzo[e]pyrene | ND | ug/L | 4 | 4.1 | 14 |
| 2-Fluorophenol (SURR**) | 34% | | | | |
| Phenol-d5 (SURR**) | 23% | | | | |
| Nitrobenzene-d5 (SURR**) | 68% | | | | |
| 2-Fluorobiphenyl (SURR**) | 73% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 83% | | | | |
| Terphenyl-d14 (SURR**) | 58% | | | | |

A 2 fold dilution was performed during extraction.
Matrix spike recovery for 1-Methylnaphthalene was below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88167**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 05/03/2005 15:36**

**Sample: 365366** **NS-GWMW25A-03(5** **Collected: 03/23/05** **Analyzed: 04/02/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 4.0 | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | [1.2] | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | 8.7 | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | 11 | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | 23 | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | [1.5] | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| 2-Fluorophenol (SURR**) | 39% | | | | |
| Phenol-d5 (SURR**) | 26% | | | | |
| Nitrobenzene-d5 (SURR**) | 70% | | | | |
| 2-Fluorobiphenyl (SURR**) | 72% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 81% | | | | |
| Terphenyl-d14 (SURR**) | 46% | | | | |

Matrix spike recovery for 1-Methylnaphthalene was below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88167**

**Project Description: Xcel RIFS/25688375**

**Project Title:** **Template: 8270WNSP** **Printed: 05/03/2005 15:36**

**Sample: 365367** **NS-GWMW26-0305** **Collected: 03/23/05** **Analyzed: 04/02/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 56 | ug/L | 10 | 11 | 36 |
| Acenaphthylene | ND | ug/L | 10 | 10 | 35 |
| Anthracene | ND | ug/L | 10 | 9.8 | 33 |
| Benzo[a]anthracene | ND | ug/L | 10 | 9.2 | 31 |
| Benzo[a]pyrene | ND | ug/L | 10 | 10 | 34 |
| Benzo[b]fluoranthene | ND | ug/L | 10 | 9.2 | 31 |
| Benzo[g,h,i]perylene | ND | ug/L | 10 | 10 | 34 |
| Benzo[k]fluoranthene | ND | ug/L | 10 | 12 | 39 |
| Chrysene | ND | ug/L | 10 | 10 | 34 |
| Dibenzo[a,h]anthracene | ND | ug/L | 10 | 9.9 | 33 |
| Dibenzofuran | ND | ug/L | 10 | 11 | 36 |
| Fluoranthene | ND | ug/L | 10 | 9.7 | 32 |
| Fluorene | [18] | ug/L | 10 | 9.9 | 33 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 10 | 9.4 | 31 |
| 1-Methylnaphthalene | 120 | ug/L | 10 | 11 | 35 |
| 2-Methylnaphthalene | 150 | ug/L | 10 | 11 | 35 |
| 2-Methylphenol | ND | ug/L | 10 | 9.0 | 30 |
| 3 & 4-Methylphenol | ND | ug/L | 10 | 14 | 48 |
| Naphthalene | 300 | ug/L | 10 | 11 | 36 |
| Phenanthrene | [20] | ug/L | 10 | 9.8 | 33 |
| Phenol | ND | ug/L | 10 | 5.1 | 17 |
| Pyrene | ND | ug/L | 10 | 9.4 | 31 |
| Benzo[e]pyrene | ND | ug/L | 10 | 10 | 34 |
| 2-Fluorophenol (SURR**) | 34% | | | | |
| Phenol-d5 (SURR**) | 22% | | | | |
| Nitrobenzene-d5 (SURR**) | 64% | | | | |
| 2-Fluorobiphenyl (SURR**) | 71% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 79% | | | | |
| Terphenyl-d14 (SURR**) | 62% | | | | |

A 2 fold dilution was performed during extraction.

Matrix spike recovery for 1-Methylnaphthalene was below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88167**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 05/03/2005 15:36**

**Sample: 365368** **NS-GWMW26A-03(5** **Collected: 03/23/05** **Analyzed: 04/02/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| 2-Fluorophenol (SURR**) | 36% | | | | |
| Phenol-d5 (SURR**) | 24% | | | | |
| Nitrobenzene-d5 (SURR**) | 63% | | | | |
| 2-Fluorobiphenyl (SURR**) | 67% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 74% | | | | |
| Terphenyl-d14 (SURR**) | 51% | | | | |

Matrix spike recovery for 1-Methylnaphthalene was below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88167**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 05/03/2005 15:36**

**Sample: 365369** **NS-GWMW23A-0305** **Collected: 03/23/05** **Analyzed: 04/02/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 100 | 110 | 360 |
| Acenaphthylene | [120] | ug/L | 100 | 100 | 350 |
| Anthracene | ND | ug/L | 100 | 98 | 330 |
| Benzo[a]anthracene | ND | ug/L | 100 | 92 | 310 |
| Benzo[a]pyrene | ND | ug/L | 100 | 100 | 340 |
| Benzo[b]fluoranthene | ND | ug/L | 100 | 92 | 310 |
| Benzo[g,h,i]perylene | ND | ug/L | 100 | 100 | 340 |
| Benzo[k]fluoranthene | ND | ug/L | 100 | 120 | 390 |
| Chrysene | ND | ug/L | 100 | 100 | 340 |
| Dibenzo[a,h]anthracene | ND | ug/L | 100 | 99 | 330 |
| Dibenzofuran | ND | ug/L | 100 | 110 | 360 |
| Fluoranthene | ND | ug/L | 100 | 97 | 320 |
| Fluorene | ND | ug/L | 100 | 99 | 330 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 100 | 94 | 310 |
| 1-Methylnaphthalene | 350 | ug/L | 100 | 110 | 350 |
| 2-Methylnaphthalene | 480 | ug/L | 100 | 110 | 350 |
| 2-Methylphenol | ND | ug/L | 100 | 90 | 300 |
| 3 & 4-Methylphenol | ND | ug/L | 100 | 140 | 480 |
| Naphthalene | 3400 | ug/L | 100 | 110 | 360 |
| Phenanthrene | ND | ug/L | 100 | 98 | 330 |
| Phenol | ND | ug/L | 100 | 51 | 170 |
| Pyrene | ND | ug/L | 100 | 94 | 310 |
| Benzo[e]pyrene | ND | ug/L | 100 | 100 | 340 |
| 2-Fluorophenol (SURR**) | 32% | | | | |
| Phenol-d5 (SURR**) | 20% | | | | |
| Nitrobenzene-d5 (SURR**) | 65% | | | | |
| 2-Fluorobiphenyl (SURR**) | 77% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 73% | | | | |
| Terphenyl-d14 (SURR**) | 58% | | | | |

A 10 fold dilution was performed during extraction.
Matrix spike recovery for 1-Methylnaphthalene was below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88167**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270WNSP Printed: 05/03/2005 15:36**

**Sample: 365370 NS-GWMW20A-0305** **Collected: 03/23/05** **Analyzed: 04/02/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| 2-Fluorophenol (SURR**) | 37% | | | | |
| Phenol-d5 (SURR**) | 24% | | | | |
| Nitrobenzene-d5 (SURR**) | 65% | | | | |
| 2-Fluorobiphenyl (SURR**) | 68% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 75% | | | | |
| Terphenyl-d14 (SURR**) | 52% | | | | |

Matrix spike recovery for 1-Methylnaphthalene was below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88167**
**Project Description: Xcel RIFS/25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 05/03/2005 15:36**

**Sample: 365371** **NS-WQDup6-0305** **Collected: 03/23/05** **Analyzed: 04/02/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 100 | 110 | 360 |
| Acenaphthylene | [140] | ug/L | 100 | 100 | 350 |
| Anthracene | ND | ug/L | 100 | 98 | 330 |
| Benzo[a]anthracene | ND | ug/L | 100 | 92 | 310 |
| Benzo[a]pyrene | ND | ug/L | 100 | 100 | 340 |
| Benzo[b]fluoranthene | ND | ug/L | 100 | 92 | 310 |
| Benzo[g,h,i]perylene | ND | ug/L | 100 | 100 | 340 |
| Benzo[k]fluoranthene | ND | ug/L | 100 | 120 | 390 |
| Chrysene | ND | ug/L | 100 | 100 | 340 |
| Dibenzo[a,h]anthracene | ND | ug/L | 100 | 99 | 330 |
| Dibenzofuran | ND | ug/L | 100 | 110 | 360 |
| Fluoranthene | ND | ug/L | 100 | 97 | 320 |
| Fluorene | ND | ug/L | 100 | 99 | 330 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 100 | 94 | 310 |
| 1-Methylnaphthalene | 420 | ug/L | 100 | 110 | 350 |
| 2-Methylnaphthalene | 580 | ug/L | 100 | 110 | 350 |
| 2-Methylphenol | ND | ug/L | 100 | 90 | 300 |
| 3 & 4-Methylphenol | ND | ug/L | 100 | 140 | 480 |
| Naphthalene | 4000 | ug/L | 100 | 110 | 360 |
| Phenanthrene | ND | ug/L | 100 | 98 | 330 |
| Phenol | ND | ug/L | 100 | 51 | 170 |
| Pyrene | ND | ug/L | 100 | 94 | 310 |
| Benzo[e]pyrene | ND | ug/L | 100 | 100 | 340 |
| 2-Fluorophenol (SURR**) | 48% | | | | |
| Phenol-d5 (SURR**) | 25% | | | | |
| Nitrobenzene-d5 (SURR**) | 69% | | | | |
| 2-Fluorobiphenyl (SURR**) | 85% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 62% | | | | |
| Terphenyl-d14 (SURR**) | 61% | | | | |

Matrix spike recovery for 1-Methylnaphthalene was below QC limits.

** Surrogates are used to evaluate a method's Quality Control.

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 88167
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**NS-GWMW24-0305 NLS ID: 365363**
Ref. Line 1 COC 75711 NS-GWMW24-0305 Matrix: GW
Collected: 03/23/05 10:15 Received: 03/24/05
Notes: Hexavalent chromium collected at 13:40.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | [0.020] | mg/L | 1 | 0.010 | 0.020 | 04/13/05 | SW846 6010 | 721026460 |
| Aluminum, tot. recoverable as Al by ICP-Trace | 16 | mg/L | 1 | 0.010 | 0.020 | 04/11/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | [2.3] | ug/L | 1 | 2.0 | 7.1 | 04/25/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 04/25/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [2.8] | ug/L | 1 | 1.6 | 5.6 | 04/24/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 6.1 | ug/L | 1 | 1.6 | 5.6 | 04/24/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 210 | ug/L | 1 | 2.5* | 5.0 | 04/11/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 310 | ug/L | 1 | 2.5* | 5.0 | 04/11/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/13/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 5 | 0.85 | 2.5 | 04/13/05 | SW846 6010 | 721026460 |
| | Dilution was required to reduce matrix interferences. | | | | | | | |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/11/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/11/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 79 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 85 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 9.5 | ug/L | 1 | 3.6* | | 03/24/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 19 | ug/L | 1 | 3.6* | | 04/13/05 | Calc. | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | 1.5 | ug/L | 1 | 0.45 | 1.4 | 04/11/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | 29 | ug/L | 1 | 0.45 | 1.4 | 04/11/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | 4.6 | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | 15 | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/11/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | 37 | ug/L | 1 | 1.3 | 4.0 | 04/11/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.0050] | mg/L | 1 | 0.0050 | 0.015 | 03/29/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 13 | mg/L | 1 | 0.033 | 0.10 | 04/11/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | 32 | mg/L | 1 | 0.033 | 0.10 | 04/11/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [1.6] | ug/L | 1 | 1.0 | 3.3 | 04/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | 24 | ug/L | 1 | 1.0 | 3.3 | 04/11/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 27 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 33 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 1300 | ug/L | 1 | 1.0* | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 1400 | ug/L | 1 | 1.0* | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/31/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/31/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [2.2] | ug/L | 1 | 0.71 | 2.3 | 04/11/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | 22 | ug/L | 1 | 0.71 | 2.3 | 04/11/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.7 | mg/L | 1 | 0.36 | 1.3 | 04/10/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 8.2 | mg/L | 1 | 0.36 | 1.3 | 04/10/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 04/21/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 04/21/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | 2.3 | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | 3.6 | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 39 | mg/L | 1 | 0.033 | 0.12 | 04/10/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 39 | mg/L | 1 | 0.033 | 0.12 | 04/10/05 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
*10200 West Innovation Drive #500*
Milwaukee,WI 53226 4827

NLS Project: 88167
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**NS-GWMW24-0305 NLS ID: 365363**
Ref. Line 1 COC 75711 NS-GWMW24-0305 Matrix: GW
Collected: 03/23/05 10:15 Received: 03/24/05
Notes: Hexavalent chromium collected at 13:40.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/22/05 | SW846 7841 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/22/05 | SW846 7841 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [0.75] | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | 61 | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | 10 | ug/L | 1 | 5.0* | 10 | 04/11/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | 72 | ug/L | 1 | 5.0* | 10 | 04/11/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/25/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/30/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/28/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 04/02/05 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RIFS/25688375

NLS Project: 88167
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

**NS-GWMW24A-0305 NLS ID: 365364**
Ref. Line 2 COC 75711 NS-GWMW24A-0305 Matrix: GW
Collected: 03/23/05 10:30 Received: 03/24/05
Notes: Hexavalent chromium collected at 13:45.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.010 | 0.020 | 04/13/05 | SW846 6010 | 721026460 |
| Aluminum, tot. recoverable as Al by ICP-Trace | 0.88 | mg/L | 1 | 0.010 | 0.020 | 04/13/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 04/25/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [3.1] | ug/L | 1 | 2.0 | 7.1 | 04/25/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [3.4] | ug/L | 1 | 1.6 | 5.6 | 04/24/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 6.1 | ug/L | 1 | 1.6 | 5.6 | 04/24/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 87 | ug/L | 1 | 2.5* | 5.0 | 04/11/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 91 | ug/L | 1 | 2.5* | 5.0 | 04/11/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/13/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/13/05 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/11/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/11/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 14 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 15 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 03/24/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 04/13/05 | Calc. | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.83] | ug/L | 1 | 0.45 | 1.4 | 04/11/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | 2.2 | ug/L | 1 | 0.45 | 1.4 | 04/11/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | [0.67] | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/11/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | [3.8] | ug/L | 1 | 1.3 | 4.0 | 04/11/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 03/29/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 04/11/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | 0.87 | mg/L | 1 | 0.033 | 0.10 | 04/11/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [1.1] | ug/L | 1 | 1.0 | 3.3 | 04/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | [1.7] | ug/L | 1 | 1.0 | 3.3 | 04/11/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 4.8 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 5.2 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 17 | ug/L | 1 | 1.0* | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 31 | ug/L | 1 | 1.0* | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/31/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/31/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.0] | ug/L | 1 | 0.71 | 2.3 | 04/11/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | 2.3 | ug/L | 1 | 0.71 | 2.3 | 04/11/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 3.6 | mg/L | 1 | 0.36 | 1.3 | 04/10/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 3.8 | mg/L | 1 | 0.36 | 1.3 | 04/10/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 04/21/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 04/21/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | [1.0] | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | [1.7] | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 15 | mg/L | 1 | 0.033 | 0.12 | 04/10/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 16 | mg/L | 1 | 0.033 | 0.12 | 04/10/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/22/05 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 88167
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RIFS/25688375

**NS-GWMW24A-0305 NLS ID: 365364**
Ref. Line 2 COC 75711 NS-GWMW24A-0305 Matrix: GW
Collected: 03/23/05 10:30 Received: 03/24/05
Notes: Hexavalent chromium collected at 13:45.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/22/05 | SW846 7841 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | [1.6] | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 04/11/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | 11 | ug/L | 1 | 5.0* | 10 | 04/11/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/25/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/30/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/28/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 04/02/05 | SW846 8270C | 721026460 |

NORTHERN [illegible] SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88167
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**NS-GWMW25-0305 NLS ID: 365365**
Ref. Line 3 COC 75711 NS-GWMW25-0305 Matrix: GW
*Collected: 03/23/05 09:00 Received: 03/24/05*
Notes: Hexavalent chromium collected at 13:50.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | [0.010] | mg/L | 1 | 0.010 | 0.020 | 04/13/05 | SW846 6010 | 721026460 |
| Aluminum, tot. recoverable as Al by ICP-Trace | 9.8 | mg/L | 1 | 0.010 | 0.020 | 04/11/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 04/25/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 04/25/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [1.9] | ug/L | 1 | 1.6 | 5.6 | 04/24/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [4.9] | ug/L | 1 | 1.6 | 5.6 | 04/24/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 110 | ug/L | 1 | 2.5* | 5.0 | 04/11/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 180 | ug/L | 1 | 2.5* | 5.0 | 04/11/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/14/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 5 | 0.85 | 2.5 | 04/14/05 | SW846 6010 | 721026460 |
| | Dilution was required to reduce matrix interferences. | | | | | | | |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/11/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/11/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 33 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 31 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 12 | ug/L | 1 | 3.6* | | 03/24/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 04/13/05 | Calc. | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | 1.7 | ug/L | 1 | 0.45 | 1.4 | 04/11/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | 15 | ug/L | 1 | 0.45 | 1.4 | 04/11/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | [0.77] | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | 6.6 | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | [1.8] | ug/L | 1 | 1.3 | 4.0 | 04/11/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | 26 | ug/L | 1 | 1.3 | 4.0 | 04/11/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.0070] | mg/L | 1 | 0.0050 | 0.015 | 03/29/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 1.2 | mg/L | 1 | 0.033 | 0.10 | 04/11/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | 12 | mg/L | 1 | 0.033 | 0.10 | 04/11/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | 3.4 | ug/L | 1 | 1.0 | 3.3 | 04/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | 41 | ug/L | 1 | 1.0 | 3.3 | 04/11/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 11 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 13 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 500 | ug/L | 1 | 1.0* | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 510 | ug/L | 1 | 1.0* | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/31/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/31/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.8] | ug/L | 1 | 0.71 | 2.3 | 04/11/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | 13 | ug/L | 1 | 0.71 | 2.3 | 04/11/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 5.9 | mg/L | 1 | 0.36 | 1.3 | 04/10/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 9.0 | mg/L | 1 | 0.36 | 1.3 | 04/10/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 04/21/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 04/21/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | [1.6] | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | 2.3 | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 34 | mg/L | 1 | 0.033 | 0.12 | 04/10/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 31 | mg/L | 1 | 0.033 | 0.12 | 04/10/05 | SW846 6010 | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 88167
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**NS-GWMW25-0305 NLS ID: 365365**
Ref. Line 3 COC 75711 NS-GWMW25-0305 Matrix: GW
Collected: 03/23/05 09:00 Received: 03/24/05
Notes: Hexavalent chromium collected at 13:50.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/22/05 | SW846 7841 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/22/05 | SW846 7841 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 3.4 | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | 28 | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [9.9] | ug/L | 1 | 5.0* | 10 | 04/11/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | 59 | ug/L | 1 | 5.0* | 10 | 04/11/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/25/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/30/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/28/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 04/02/05 | SW846 8270C | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 88167
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**NS-GWMW25A-0305 NLS ID: 365366**
Ref. Line 4 COC 75711 NS-GWMW25A-0305 Matrix: GW
Collected: 03/23/05 10:00 Received: 03/24/05
Notes: Hexavalent chromium collected at 13:55.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | [0.010] | mg/L | 1 | 0.010 | 0.020 | 04/13/05 | SW846 6010 | 721026460 |
| Aluminum, tot. recoverable as Al by ICP-Trace | 2.5 | mg/L | 1 | 0.010 | 0.020 | 04/11/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 04/25/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 04/25/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [3.2] | ug/L | 1 | 1.6 | 5.6 | 04/24/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.2] | ug/L | 1 | 1.6 | 5.6 | 04/24/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 89 | ug/L | 1 | 2.5* | 5.0 | 04/11/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 100 | ug/L | 1 | 2.5* | 5.0 | 04/11/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/13/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/13/05 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/11/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/11/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 17 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 18 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 03/24/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 04/13/05 | Calc. | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [1.1] | ug/L | 1 | 0.45 | 1.4 | 04/11/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | 2.2 | ug/L | 1 | 0.45 | 1.4 | 04/11/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | [0.72] | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/11/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | [3.0] | ug/L | 1 | 1.3 | 4.0 | 04/11/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.0050] | mg/L | 1 | 0.0050 | 0.015 | 03/29/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 04/11/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | 1.3 | mg/L | 1 | 0.033 | 0.10 | 04/11/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [1.2] | ug/L | 1 | 1.0 | 3.3 | 04/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/11/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 6.0 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 6.9 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 15 | ug/L | 1 | 1.0* | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 30 | ug/L | 1 | 1.0* | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/31/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/31/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.2] | ug/L | 1 | 0.71 | 2.3 | 04/11/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | [2.2] | ug/L | 1 | 0.71 | 2.3 | 04/11/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 5.0 | mg/L | 1 | 0.36 | 1.3 | 04/10/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 5.2 | mg/L | 1 | 0.36 | 1.3 | 04/10/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 04/21/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 04/21/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | [1.6] | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | [1.4] | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 18 | mg/L | 1 | 0.033 | 0.12 | 04/10/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 18 | mg/L | 1 | 0.033 | 0.12 | 04/10/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/22/05 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 88167
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RIFS/25688375

**NS-GWMW25A-0305 NLS ID: 365366**
Ref. Line 4 COC 75711 NS-GWMW25A-0305 Matrix: GW
Collected: 03/23/05 10:00 Received: 03/24/05
Notes: Hexavalent chromium collected at 13:55.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/22/05 | SW846 7841 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | [1.9] | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [9.0] | ug/L | 1 | 5.0* | 10 | 04/11/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | [8.8] | ug/L | 1 | 5.0* | 10 | 04/11/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/25/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/30/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/28/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 04/02/05 | SW846 8270C | 721026460 |

NORTHERN [illegible]E SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 88167
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RIFS/25688375

**NS-GWMW26-0305 NLS ID: 365367**
Ref. Line 5 COC 75711 NS-GWMW26-0305 Matrix: GW
Collected: 03/23/05 11:00 Received: 03/24/05
Notes: Hexavalent chromium collected at 14:05.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | 0.024 | mg/L | 1 | 0.010 | 0.020 | 04/13/05 | SW846 6010 | 721026460 |
| Aluminum, tot. recoverable as Al by ICP-Trace | 28 | mg/L | 1 | 0.010 | 0.020 | 04/11/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | [2.4] | ug/L | 1 | 2.0 | 7.1 | 04/25/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [4.3] | ug/L | 1 | 2.0 | 7.1 | 04/25/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [4.3] | ug/L | 1 | 1.6 | 5.6 | 04/24/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 10 | ug/L | 1 | 1.6 | 5.6 | 04/24/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 150 | ug/L | 1 | 2.5* | 5.0 | 04/11/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 450 | ug/L | 1 | 2.5* | 5.0 | 04/11/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | [0.21] | ug/L | 1 | 0.17 | 0.50 | 04/14/05 | SW846 6010 | 721026460 |
| | The continuing calibration blank had a Be concentration of 0.278 ug/L. | | | | | | | |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 10 | 1.7 | 5.0 | 04/14/05 | SW846 6010 | 721026460 |
| | Dilution was required to reduce matrix interferences. | | | | | | | |
| Cadmium, dis. as Cd by ICP-Trace | [0.29] | ug/L | 1 | 0.17 | 0.50 | 04/11/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | [0.35] | ug/L | 1 | 0.17 | 0.50 | 04/11/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 110 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 190 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 12 | ug/L | 1 | 3.6* | | 03/24/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 35 | ug/L | 1 | 3.6* | | 04/13/05 | Calc. | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | 2.4 | ug/L | 1 | 0.45 | 1.4 | 04/11/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | 47 | ug/L | 1 | 0.45 | 1.4 | 04/11/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | [1.9] | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | 20 | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | 11 | ug/L | 1 | 1.3 | 4.0 | 04/11/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | 58 | ug/L | 1 | 1.3 | 4.0 | 04/11/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.0060] | mg/L | 1 | 0.0050 | 0.015 | 03/29/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 19 | mg/L | 1 | 0.033 | 0.10 | 04/11/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | 70 | mg/L | 1 | 0.033 | 0.10 | 04/11/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | 27 | ug/L | 1 | 1.0 | 3.3 | 04/11/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 16 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 37 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 1400 | ug/L | 1 | 1.0* | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 2900 | ug/L | 1 | 1.0* | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/31/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/31/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 4.0 | ug/L | 1 | 0.71 | 2.3 | 04/11/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | 36 | ug/L | 1 | 0.71 | 2.3 | 04/11/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 17 | mg/L | 1 | 0.36 | 1.3 | 04/10/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 15 | mg/L | 1 | 0.36 | 1.3 | 04/10/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 04/21/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 04/21/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | 3.6 | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | 6.6 | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 310 | mg/L | 1 | 0.033 | 0.12 | 04/10/05 | SW846 6010 | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
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# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
***EPA Laboratory ID No. WI00034***



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88167**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel RIFS/25688375**

**NS-GWMW26-0305 NLS ID: 365367**
Ref. Line 5 COC 75711 NS-GWMW26-0305 Matrix: GW
Collected: 03/23/05 11:00 Received: 03/24/05
Notes: Hexavalent chromium collected at 14:05.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Sodium, tot. recoverable as Na by ICP | 55 | mg/L | 1 | 0.033 | 0.12 | 04/10/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/22/05 | SW846 7841 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/22/05 | SW846 7841 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [1.1] | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | 87 | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | 19 | ug/L | 1 | 5.0* | 10 | 04/11/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | 110 | ug/L | 1 | 5.0* | 10 | 04/11/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/25/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/30/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/28/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 04/02/05 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 88167
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RIFS/25688375

**NS-GWMW26A-0305 NLS ID: 365368**
Ref. Line 6 COC 75711 NS-GWMW26A-0305 Matrix: GW
Collected: 03/23/05 11:30 Received: 03/24/05
Notes: Hexavalent chromium collected at 14:10.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | [0.014] | mg/L | 1 | 0.010 | 0.020 | 04/13/05 | SW846 6010 | 721026460 |
| Aluminum, tot. recoverable as Al by ICP-Trace | 4.4 | mg/L | 1 | 0.010 | 0.020 | 04/11/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | [2.3] | ug/L | 1 | 2.0 | 7.1 | 04/25/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 04/25/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [2.5] | ug/L | 1 | 1.6 | 5.6 | 04/24/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [3.5] | ug/L | 1 | 1.6 | 5.6 | 04/24/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 50 | ug/L | 1 | 2.5* | 5.0 | 04/11/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 86 | ug/L | 1 | 2.5* | 5.0 | 04/11/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/13/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 5 | 0.85 | 2.5 | 04/14/05 | SW846 6010 | 721026460 |
| | Dilution was required to reduce matrix interferences. | | | | | | | |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/11/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/11/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 17 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 19 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 03/24/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 6.6 | ug/L | 1 | 3.6* | | 04/13/05 | Calc. | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [1.3] | ug/L | 1 | 0.45 | 1.4 | 04/11/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | 6.6 | ug/L | 1 | 0.45 | 1.4 | 04/11/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | [1.8] | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/11/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | 7.2 | ug/L | 1 | 1.3 | 4.0 | 04/11/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 03/29/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | [0.042] | mg/L | 1 | 0.033 | 0.10 | 04/11/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | 4.1 | mg/L | 1 | 0.033 | 0.10 | 04/11/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | [1.2] | ug/L | 1 | 1.0 | 3.3 | 04/11/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 5.4 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 7.0 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 60 | ug/L | 1 | 1.0* | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 130 | ug/L | 1 | 1.0* | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/31/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/31/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.3] | ug/L | 1 | 0.71 | 2.3 | 04/11/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | 5.3 | ug/L | 1 | 0.71 | 2.3 | 04/11/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.7 | mg/L | 1 | 0.36 | 1.3 | 04/10/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 6.0 | mg/L | 1 | 0.36 | 1.3 | 04/10/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 04/21/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 04/21/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | [1.4] | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | [1.7] | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 29 | mg/L | 1 | 0.033 | 0.12 | 04/10/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 20 | mg/L | 1 | 0.033 | 0.12 | 04/10/05 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88167
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**NS-GWMW26A-0305 NLS ID: 365368**
Ref. Line 6 COC 75711 NS-GWMW26A-0305 Matrix: GW
Collected: 03/23/05 11:30 Received: 03/24/05
Notes: Hexavalent chromium collected at 14:10.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/22/05 | SW846 7841 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/22/05 | SW846 7841 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | 7.9 | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | [6.1] | ug/L | 1 | 5.0* | 10 | 04/11/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | 20 | ug/L | 1 | 5.0* | 10 | 04/11/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/25/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/30/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/28/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 04/02/05 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 88167
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RIFS/25688375

**NS-GWMW23A-0305 NLS ID: 365369**
Ref. Line 7 COC 75711 NS-GWMW23A-0305 Matrix: GW
Collected: 03/23/05 12:50 Received: 03/24/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.010 | 0.020 | 04/13/05 | SW846 6010 | 721026460 |
| Aluminum, tot. recoverable as Al by ICP-Trace | 0.33 | mg/L | 1 | 0.010 | 0.020 | 04/11/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 04/25/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 04/25/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [2.7] | ug/L | 1 | 1.6 | 5.6 | 04/24/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [3.2] | ug/L | 1 | 1.6 | 5.6 | 04/24/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 240 | ug/L | 1 | 2.5* | 5.0 | 04/11/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 240 | ug/L | 1 | 2.5* | 5.0 | 04/11/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/13/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/13/05 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/11/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/11/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 65 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 65 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 03/24/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 04/13/05 | Calc. | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [1.1] | ug/L | 1 | 0.45 | 1.4 | 04/11/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | 2.1 | ug/L | 1 | 0.45 | 1.4 | 04/11/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/11/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/11/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.0060] | mg/L | 1 | 0.0050 | 0.015 | 03/29/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 0.41 | mg/L | 1 | 0.033 | 0.10 | 04/11/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | 0.70 | mg/L | 1 | 0.033 | 0.10 | 04/11/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/11/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 36 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 36 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 120 | ug/L | 1 | 1.0* | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 130 | ug/L | 1 | 1.0* | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/31/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/31/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.3] | ug/L | 1 | 0.71 | 2.3 | 04/11/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | [2.1] | ug/L | 1 | 0.71 | 2.3 | 04/11/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 5.2 | mg/L | 1 | 0.36 | 1.3 | 04/10/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 5.7 | mg/L | 1 | 0.36 | 1.3 | 04/10/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 04/21/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 04/21/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | [1.4] | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | [1.8] | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 23 | mg/L | 1 | 0.033 | 0.12 | 04/10/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 23 | mg/L | 1 | 0.033 | 0.12 | 04/10/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/22/05 | SW846 7841 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/22/05 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88167
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**NS-GWMW23A-0305 NLS ID: 365369**
Ref. Line 7 COC 75711 NS-GWMW23A-0305 Matrix: GW
Collected: 03/23/05 12:50 Received: 03/24/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 04/11/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | 10 | ug/L | 1 | 5.0* | 10 | 04/11/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/25/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/30/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/28/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 04/02/05 | SW846 8270C | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel RIFS/25688375

NLS Project: 88167
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

**NS-GWMW20A-0305 NLS ID: 365370**
Ref. Line 8 COC 75711 NS-GWMW20A-0305 Matrix: GW
Collected: 03/23/05 14:45 Received: 03/24/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.010 | 0.020 | 04/13/05 | SW846 6010 | 721026460 |
| Aluminum, tot. recoverable as Al by ICP-Trace | 21 | mg/L | 1 | 0.010 | 0.020 | 04/11/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | [3.4] | ug/L | 1 | 2.0 | 7.1 | 04/25/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [2.7] | ug/L | 1 | 2.0 | 7.1 | 04/25/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [2.9] | ug/L | 1 | 1.6 | 5.6 | 04/24/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 6.0 | ug/L | 1 | 1.6 | 5.6 | 04/24/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 230 | ug/L | 1 | 2.5* | 5.0 | 04/11/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 390 | ug/L | 1 | 2.5* | 5.0 | 04/11/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/13/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 10 | 1.7 | 5.0 | 04/14/05 | SW846 6010 | 721026460 |
| | Dilution was required to reduce matrix interferences. | | | | | | | |
| Cadmium, dis as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/11/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | [0.24] | ug/L | 1 | 0.17 | 0.50 | 04/11/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 130 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 150 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 03/24/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 40 | ug/L | 1 | 3.6* | | 04/13/05 | Calc. | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [1.1] | ug/L | 1 | 0.45 | 1.4 | 04/11/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | 40 | ug/L | 1 | 0.45 | 1.4 | 04/11/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | [1.5] | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | 24 | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | [1.7] | ug/L | 1 | 1.3 | 4.0 | 04/11/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | 35 | ug/L | 1 | 1.3 | 4.0 | 04/11/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.0060] | mg/L | 1 | 0.0050 | 0.015 | 03/29/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 04/11/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | 23 | mg/L | 1 | 0.033 | 0.10 | 04/11/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | 7.6 | ug/L | 1 | 1.0 | 3.3 | 04/11/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 85 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 95 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 160 | ug/L | 1 | 1.0* | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 890 | ug/L | 1 | 1.0* | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/31/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/31/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | 3.6 | ug/L | 1 | 0.71 | 2.3 | 04/11/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | 31 | ug/L | 1 | 0.71 | 2.3 | 04/11/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 7.6 | mg/L | 1 | 0.36 | 1.3 | 04/10/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 12 | mg/L | 1 | 0.36 | 1.3 | 04/10/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 04/21/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 04/21/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | [1.3] | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | 2.9 | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 46 | mg/L | 1 | 0.033 | 0.12 | 04/10/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 48 | mg/L | 1 | 0.033 | 0.12 | 04/10/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/22/05 | SW846 7841 | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 88167
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**NS-GWMW20A-0305 NLS ID: 365370**
Ref. Line 8 COC 75711 NS-GWMW20A-0305 Matrix: GW
Collected: 03/23/05 14:45 Received: 03/24/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/22/05 | SW846 7841 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 5.3 | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | 54 | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 04/11/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | 67 | ug/L | 1 | 5.0* | 10 | 04/11/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/25/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/30/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/28/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 04/02/05 | SW846 8270C | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88167
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**NS-WQDup6-0305 NLS ID: 365371**
Ref. Line 9 COC 75711 NS-WQDup6-0305 Matrix: GW
Collected: 03/23/05 00:00 Received: 03/24/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.010 | 0.020 | 04/13/05 | SW846 6010 | 721026460 |
| Aluminum, tot. recoverable as Al by ICP-Trace | 0.28 | mg/L | 1 | 0.010 | 0.020 | 04/11/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 04/25/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 04/25/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [2.3] | ug/L | 1 | 1.6 | 5.6 | 04/24/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.3] | ug/L | 1 | 1.6 | 5.6 | 04/24/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 230 | ug/L | 1 | 2.5* | 5.0 | 04/11/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 240 | ug/L | 1 | 2.5* | 5.0 | 04/11/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/13/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/13/05 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/11/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/11/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 62 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 66 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 03/24/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 04/13/05 | Calc. | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [1.0] | ug/L | 1 | 0.45 | 1.4 | 04/11/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | 1.5 | ug/L | 1 | 0.45 | 1.4 | 04/11/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/11/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/11/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.0060] | mg/L | 1 | 0.0050 | 0.015 | 03/29/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 0.39 | mg/L | 1 | 0.033 | 0.10 | 04/11/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | 0.67 | mg/L | 1 | 0.033 | 0.10 | 04/11/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/11/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/11/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 35 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 37 | mg/L | 1 | 0.15* | 0.30 | 04/11/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 120 | ug/L | 1 | 1.0* | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 130 | ug/L | 1 | 1.0* | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/31/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/31/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.1] | ug/L | 1 | 0.71 | 2.3 | 04/11/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | [1.3] | ug/L | 1 | 0.71 | 2.3 | 04/11/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 5.3 | mg/L | 1 | 0.36 | 1.3 | 04/10/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 5.3 | mg/L | 1 | 0.36 | 1.3 | 04/10/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 04/21/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 04/21/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | [1.2] | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | [1.5] | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 23 | mg/L | 1 | 0.033 | 0.12 | 04/10/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 23 | mg/L | 1 | 0.033 | 0.12 | 04/10/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/22/05 | SW846 7841 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/22/05 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 88167
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel RIFS/25688375

**NS-WQDup6-0305 NLS ID: 365371**
Ref. Line 9 COC 75711 NS-WQDup6-0305 Matrix: GW
Collected: 03/23/05 00:00 Received: 03/24/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, dis. as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/11/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 04/11/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | [8.7] | ug/L | 1 | 5.0* | 10 | 04/11/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/25/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/25/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/30/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/28/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 04/02/05 | SW846 8270C | 721026460 |

**NS-WQTripBlank7-0305 NLS ID: 365372**
Ref. Line 10 COC 75711 NS-WQTripBlank7-0305 Matrix: TB
Collected: 03/23/05 00:00 Received: 03/24/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 03/30/05 | SW846 8260 | 721026460 |

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

# ANALYTICAL RESULTS: VOC's by EPA 8260 - Water (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88199**
**Project Description: Xcel/RIFS/25688375**
**Project Title:** **Template: SAT2NSP** **Printed: 05/03/2005 15:36**

**Sample: 365501** **NS-GWMW23B-0305** **Collected: 03/24/05** **Analyzed: 03/31/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 2200 | ug/L | 400 | 57 | 190 |
| sec-Butylbenzene | ND | ug/L | 400 | 54 | 180 |
| Ethylbenzene | 290 | ug/L | 400 | 67 | 220 |
| ortho-Xylene | 750 | ug/L | 400 | 86 | 290 |
| Styrene | 1700 | ug/L | 400 | 58 | 190 |
| Toluene | 3400 | ug/L | 400 | 100 | 330 |
| 1,2,4-Trimethylbenzene | 340 | ug/L | 400 | 62 | 210 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 400 | 59 | 200 |
| meta,para-Xylene | 1600 | ug/L | 400 | 140 | 460 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 400 | 82 | 270 |
| Dibromofluoromethane (SURR**) | 95% | | | | |
| Toluene-d8 (SURR**) | 97% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 97% | | | | |

Matrix spike and matrix spike duplicate recoveries for Toluene could not be quantitated effectively due to sample matrix.
Matrix spike duplicate exceeded in-house QC limits for Benzene.

**Sample: 365502** **NS-GWMW07R-0305** **Collected: 03/24/05** **Analyzed: 03/31/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 29000 | ug/L | 2500 | 360 | 1200 |
| sec-Butylbenzene | ND | ug/L | 2500 | 340 | 1100 |
| Ethylbenzene | 3300 | ug/L | 2500 | 420 | 1400 |
| ortho-Xylene | [1300] | ug/L | 2500 | 540 | 1800 |
| Styrene | [920] | ug/L | 2500 | 370 | 1200 |
| Toluene | 14000 | ug/L | 2500 | 620 | 2100 |
| 1,2,4-Trimethylbenzene | [410] | ug/L | 2500 | 390 | 1300 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 2500 | 370 | 1200 |
| meta,para-Xylene | [2700] | ug/L | 2500 | 870 | 2900 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 2500 | 510 | 1700 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 108% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 106% | | | | |

Matrix spike and matrix spike duplicate recoveries for Toluene could not be quantitated effectively due to sample matrix.
Matrix spike duplicate exceeded in-house QC limits for Benzene.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88199**

**Project Description: Xcel/RIFS/25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 05/03/2005 15:36**

**Sample: 365503** **NS-GWMW07A-0305** **Collected: 03/24/05** **Analyzed: 03/31/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 9400 | ug/L | 1000 | 140 | 480 |
| sec-Butylbenzene | ND | ug/L | 1000 | 140 | 450 |
| Ethylbenzene | 1500 | ug/L | 1000 | 170 | 560 |
| ortho-Xylene | 950 | ug/L | 1000 | 220 | 720 |
| Styrene | 1300 | ug/L | 1000 | 150 | 490 |
| Toluene | 7100 | ug/L | 1000 | 250 | 830 |
| 1,2,4-Trimethylbenzene | [400] | ug/L | 1000 | 160 | 520 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1000 | 150 | 490 |
| meta,para-Xylene | 1900 | ug/L | 1000 | 350 | 1200 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1000 | 210 | 680 |
| Dibromofluoromethane (SURR**) | 102% | | | | |
| Toluene-d8 (SURR**) | 105% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 103% | | | | |

Matrix spike and matrix spike duplicate recoveries for Toluene could not be quantitated effectively due to sample matrix.
Matrix spike duplicate exceeded in-house QC limits for Benzene.

**Sample: 365504** **NS-GWMW07BMS/MSD-0305** **Collected: 03/24/05** **Analyzed: 03/31/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 0.94 | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | 0.57 | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | [0.41] | ug/L | 1 | 0.22 | 0.72 |
| Styrene | [0.34] | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 55 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | [0.43] | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | [0.43] | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 109% | | | | |
| Toluene-d8 (SURR**) | 110% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 107% | | | | |

Matrix spike duplicate exceeded in-house QC limits for Benzene.
Matrix spike and matrix spike duplicate recoveries for Toluene could not be quantitated effectively due to sample matrix.
Toluene was reported beyond calibration range.
Toluene was repeated on a different vial. See reanalysis on 4/01/2005.

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88199**
**Project Description: Xcel/RIFS 25688375**
**Project Title:** **Template: SAT2NSP** **Printed: 05/03/2005 15:36**

**Sample: 365505** **NS-GWTW12-0305** **Collected: 03/24/05** **Analyzed: 03/31/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 59 | ug/L | 5 | 0.71 | 2.4 |
| sec-Butylbenzene | ND | ug/L | 5 | 0.68 | 2.3 |
| Ethylbenzene | 9.6 | ug/L | 5 | 0.84 | 2.8 |
| ortho-Xylene | 4.8 | ug/L | 5 | 1.1 | 3.6 |
| Styrene | ND | ug/L | 5 | 0.73 | 2.4 |
| Toluene | 12 | ug/L | 5 | 1.2 | 4.2 |
| 1,2,4-Trimethylbenzene | 16 | ug/L | 5 | 0.78 | 2.6 |
| 1,3,5-Trimethylbenzene | [1.7] | ug/L | 5 | 0.74 | 2.5 |
| meta,para-Xylene | [2.4] | ug/L | 5 | 1.7 | 5.8 |
| 1,2,3-Trimethylbenzene | [2.2] | ug/L | 5 | 1.0 | 3.4 |
| Dibromofluoromethane (SURR**) | 101% | | | | |
| Toluene-d8 (SURR**) | 104% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 105% | | | | |

Matrix spike and matrix spike duplicate recoveries for Toluene could not be quantitated effectively due to sample matrix.
Matrix spike duplicate exceeded in-house QC limits for Benzene.
Matrix spike duplicate exceeded in-house QC limits for 1,2,3-Trimethylbenzene.

**Sample: 365506** **NS-WQTripBlank8-0305** **Collected: 03/24/05** **Analyzed: 03/31/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 2.9 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 111% | | | | |
| Toluene-d8 (SURR**) | 111% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 110% | | | | |

Matrix spike and matrix spike duplicate recoveries for Toluene could not be quantitated effectively due to sample matrix.

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88199**

**Project Description: Xcel/RIFS/25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 05/03/2005 15:36**

**Sample: 365519** **NS-GWMW10-0305** **Collected: 03/25/05** **Analyzed: 03/31/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 28 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 105% | | | | |
| Toluene-d8 (SURR**) | 103% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 102% | | | | |

Matrix spike and matrix spike duplicate recoveries for Toluene could not be quantitated effectively due to sample matrix.
Toluene was reported beyond calibration range.
Toluene was repeated on a different vial. See reanalysis on 4/01/2005.

**Sample: 365520** **NS-GWMW10A-0305** **Collected: 03/25/05** **Analyzed: 03/31/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [0.28] | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 20 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 102% | | | | |
| Toluene-d8 (SURR**) | 103% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 103% | | | | |

Matrix spike and matrix spike duplicate recoveries for Toluene could not be quantitated effectively due to sample matrix.
Matrix spike duplicate exceeded in-house QC limits for Benzene.

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88199**
**Project Description: Xcel/RIFS 25688375**
**Project Title:** **Template: SAT2NSP Printed: 05/03/2005 15:36**

**Sample: 365521 NS-GWMW21A-0305** **Collected: 03/25/05** **Analyzed: 03/31/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 19000 | ug/L | 2000 | 280 | 950 |
| sec-Butylbenzene | ND | ug/L | 2000 | 270 | 900 |
| Ethylbenzene | [670] | ug/L | 2000 | 330 | 1100 |
| ortho-Xylene | 1700 | ug/L | 2000 | 430 | 1400 |
| Styrene | 4900 | ug/L | 2000 | 290 | 970 |
| Toluene | 20000 | ug/L | 2000 | 500 | 1700 |
| 1,2,4-Trimethylbenzene | [450] | ug/L | 2000 | 310 | 1000 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 2000 | 290 | 980 |
| meta,para-Xylene | 3100 | ug/L | 2000 | 700 | 2300 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 2000 | 410 | 1400 |
| Dibromofluoromethane (SURR**) | 104% | | | | |
| Toluene-d8 (SURR**) | 105% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

Matrix spike and matrix spike duplicate recoveries for Toluene could not be quantitated effectively due to sample matrix.
Matrix spike duplicate exceeded in-house QC limits for Benzene.

**Sample: 365522 NS-WQDup7-0305** **Collected: 03/25/05** **Analyzed: 03/31/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | [0.15] | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 26 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 102% | | | | |
| Toluene-d8 (SURR**) | 102% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

Matrix spike duplicate exceeded in-house QC limits for Benzene.
Matrix spike and matrix spike duplicate recoveries for Toluene could not be quantitated effectively due to sample matrix.
Toluene was reported beyond calibration range.
Toluene was repeated on a different vial. See reanalysis on 4/01/2005.

## ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88199**
**Project Description: Xcel/RIFS/25688375**
**Project Title:** **Template: SAT2NSP** **Printed: 05/03/2005 15:36**

**Sample: 365523** **NS-WQTripBlank9-0305** **Collected: 03/25/05** **Analyzed: 03/31/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 1.9 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 121% | | | | |
| Toluene-d8 (SURR**) | 123% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 120% | | | | |

Matrix spike and matrix spike duplicate recoveries for Toluene could not be quantitated effectively due to sample matrix.

** *Surrogates are used to evaluate a method's Quality Control.*

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88199**
**Project Description: Xcel/RIFS/25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 05/03/2005 15:36**

**Sample: 365501 NS-GWMW23B-0305** **Collected: 03/24/05** **Analyzed: 04/04/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 100 | 110 | 360 |
| Acenaphthylene | [140] | ug/L | 100 | 100 | 350 |
| Anthracene | ND | ug/L | 100 | 98 | 330 |
| Benzo[a]anthracene | ND | ug/L | 100 | 92 | 310 |
| Benzo[a]pyrene | ND | ug/L | 100 | 100 | 340 |
| Benzo[b]fluoranthene | ND | ug/L | 100 | 92 | 310 |
| Benzo[g,h,i]perylene | ND | ug/L | 100 | 100 | 340 |
| Benzo[k]fluoranthene | ND | ug/L | 100 | 120 | 390 |
| Chrysene | ND | ug/L | 100 | 100 | 340 |
| Dibenzo[a,h]anthracene | ND | ug/L | 100 | 99 | 330 |
| Dibenzofuran | ND | ug/L | 100 | 110 | 360 |
| Fluoranthene | ND | ug/L | 100 | 97 | 320 |
| Fluorene | ND | ug/L | 100 | 99 | 330 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 100 | 94 | 310 |
| 1-Methylnaphthalene | [340] | ug/L | 100 | 110 | 350 |
| 2-Methylnaphthalene | 480 | ug/L | 100 | 110 | 350 |
| 2-Methylphenol | ND | ug/L | 100 | 90 | 300 |
| 3 & 4-Methylphenol | ND | ug/L | 100 | 140 | 480 |
| Naphthalene | 3100 | ug/L | 100 | 110 | 360 |
| Phenanthrene | ND | ug/L | 100 | 98 | 330 |
| Phenol | ND | ug/L | 100 | 51 | 170 |
| Pyrene | ND | ug/L | 100 | 94 | 310 |
| Benzo[e]pyrene | ND | ug/L | 100 | 100 | 340 |
| 2-Fluorophenol (SURR**) | 29% | | | | |
| Phenol-d5 (SURR**) | 19% | | | | |
| Nitrobenzene-d5 (SURR**) | 62% | | | | |
| 2-Fluorobiphenyl (SURR**) | 72% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 68% | | | | |
| Terphenyl-d14 (SURR**) | 69% | | | | |

A 10 fold dilution was performed during extraction.
Laboratory control spike and laboratory control spike duplicate recoveries for Dibenzofuran were below QC limits.
Matrix spike and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88199**
**Project Description: Xcel/RIFS/25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 05/03/2005 15:36**

**Sample: 365502** **NS-GWMW07R-0305** **Collected: 03/24/05** **Analyzed: 04/04/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [140] | ug/L | 100 | 110 | 360 |
| Acenaphthylene | [130] | ug/L | 100 | 100 | 350 |
| Anthracene | ND | ug/L | 100 | 98 | 330 |
| Benzo[a]anthracene | ND | ug/L | 100 | 92 | 310 |
| Benzo[a]pyrene | ND | ug/L | 100 | 100 | 340 |
| Benzo[b]fluoranthene | ND | ug/L | 100 | 92 | 310 |
| Benzo[g,h,i]perylene | ND | ug/L | 100 | 100 | 340 |
| Benzo[k]fluoranthene | ND | ug/L | 100 | 120 | 390 |
| Chrysene | ND | ug/L | 100 | 100 | 340 |
| Dibenzo[a,h]anthracene | ND | ug/L | 100 | 99 | 330 |
| Dibenzofuran | ND | ug/L | 100 | 110 | 360 |
| Fluoranthene | ND | ug/L | 100 | 97 | 320 |
| Fluorene | ND | ug/L | 100 | 99 | 330 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 100 | 94 | 310 |
| 1-Methylnaphthalene | 520 | ug/L | 100 | 110 | 350 |
| 2-Methylnaphthalene | 710 | ug/L | 100 | 110 | 350 |
| 2-Methylphenol | 780 | ug/L | 100 | 90 | 300 |
| 3 & 4-Methylphenol | 890 | ug/L | 100 | 140 | 480 |
| Naphthalene | 3300 | ug/L | 100 | 110 | 360 |
| Phenanthrene | [110] | ug/L | 100 | 98 | 330 |
| Phenol | [150] | ug/L | 100 | 51 | 170 |
| Pyrene | ND | ug/L | 100 | 94 | 310 |
| Benzo[e]pyrene | ND | ug/L | 100 | 100 | 340 |
| 2-Fluorophenol (SURR**) | 26% | | | | |
| Phenol-d5 (SURR**) | 19% | | | | |
| Nitrobenzene-d5 (SURR**) | 67% | | | | |
| 2-Fluorobiphenyl (SURR**) | 76% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 78% | | | | |
| Terphenyl-d14 (SURR**) | 57% | | | | |

A 10 fold dilution was performed during extraction.
Laboratory control spike and laboratory control spike duplicate recoveries for Dibenzofuran were below QC limits.
Matrix spike and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (M lwaukee)** **NLS Project: 88199**
**Project Description: Xcel/RIFS/25688375**
**Project Title:** **Template: 8270WNSP Printed: 05/03/2005 15:36**

**Sample: 365503 NS-GWMW07A-0305** **Collected: 03/24/05** **Analyzed: 04/04/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 100 | 110 | 360 |
| Acenaphthylene | [240] | ug/L | 100 | 100 | 350 |
| Anthracene | ND | ug/L | 100 | 98 | 330 |
| Benzo[a]anthracene | ND | ug/L | 100 | 92 | 310 |
| Benzo[a]pyrene | ND | ug/L | 100 | 100 | 340 |
| Benzo[b]fluoranthene | ND | ug/L | 100 | 92 | 310 |
| Benzo[g,h,i]perylene | ND | ug/L | 100 | 100 | 340 |
| Benzo[k]fluoranthene | ND | ug/L | 100 | 120 | 390 |
| Chrysene | ND | ug/L | 100 | 100 | 340 |
| Dibenzo[a,h]anthracene | ND | ug/L | 100 | 99 | 330 |
| Dibenzofuran | ND | ug/L | 100 | 110 | 360 |
| Fluoranthene | ND | ug/L | 100 | 97 | 320 |
| Fluorene | ND | ug/L | 100 | 99 | 330 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 100 | 94 | 310 |
| 1-Methylnaphthalene | 560 | ug/L | 100 | 110 | 350 |
| 2-Methylnaphthalene | 800 | ug/L | 100 | 110 | 350 |
| 2-Methylphenol | [140] | ug/L | 100 | 90 | 300 |
| 3 & 4-Methylphenol | [170] | ug/L | 100 | 140 | 480 |
| Naphthalene | 3500 | ug/L | 100 | 110 | 360 |
| Phenanthrene | ND | ug/L | 100 | 98 | 330 |
| Phenol | ND | ug/L | 100 | 51 | 170 |
| Pyrene | ND | ug/L | 100 | 94 | 310 |
| Benzo[e]pyrene | ND | ug/L | 100 | 100 | 340 |
| 2-Fluorophenol (SURR**) | 32% | | | | |
| Phenol-d5 (SURR**) | 21% | | | | |
| Nitrobenzene-d5 (SURR**) | 64% | | | | |
| 2-Fluorobiphenyl (SURR**) | 73% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 72% | | | | |
| Terphenyl-d14 (SURR**) | 63% | | | | |

A 10 fold dilution was performed during extraction.
Laboratory control spike and laboratory control spike duplicate recoveries for Dibenzofuran were below QC limits.
Matrix spike and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88199**
**Project Description: Xcel/RIFS/25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 05/03/2005 15:36**

**Sample: 365504** **NS-GWMW07BMS/MSD-0305** **Collected: 03/24/05** **Analyzed: 04/04/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | [2.2] | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | [2.4] | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | [1.3] | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | [2.9] | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | [2.2] | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | 3.5 | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| 2-Fluorophenol (SURR**) | 34% | | | | |
| Phenol-d5 (SURR**) | 22% | | | | |
| Nitrobenzene-d5 (SURR**) | 63% | | | | |
| 2-Fluorobiphenyl (SURR**) | 64% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 74% | | | | |
| Terphenyl-d14 (SURR**) | 41% | | | | |

Laboratory control spike and laboratory control spike duplicate recoveries for Dibenzofuran were below QC limits.
Matrix spike and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88199**
**Project Description: Xcel/RIFS/25688375**
**Project Title:** **Template: 8270WNSP Printed: 05/03/2005 15:36**

**Sample: 365505 NS-GWTW12-0305** **Collected: 03/24/05** **Analyzed: 04/04/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | 15 | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | [3.0] | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | 30 | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | 15 | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | [1.3] | ug/L | 1 | 0.98 | 3.3 |
| Phenol | [0.90] | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| 2-Fluorophenol (SURR**) | 33% | | | | |
| Phenol-d5 (SURR**) | 22% | | | | |
| Nitrobenzene-d5 (SURR**) | 57% | | | | |
| 2-Fluorobiphenyl (SURR**) | 61% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 74% | | | | |
| Terphenyl-d14 (SURR**) | 61% | | | | |

Laboratory control spike and laboratory control spike duplicate recoveries for Dibenzofuran were below QC limits.
Matrix spike and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88199**
**Project Description: Xcel/RIFS/25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 05/03/2005 15:36**

**Sample: 365519** **NS-GWMW10-0305** **Collected: 03/25/05** **Analyzed: 04/04/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| 2-Fluorophenol (SURR**) | 34% | | | | |
| Phenol-d5 (SURR**) | 24% | | | | |
| Nitrobenzene-d5 (SURR**) | 61% | | | | |
| 2-Fluorobiphenyl (SURR**) | 64% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 71% | | | | |
| Terphenyl-d14 (SURR**) | 55% | | | | |

Laboratory control spike and laboratory control spike duplicate recoveries for Dibenzofuran were below QC limits.
Matrix spike and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (M lwaukee)** **NLS Project: 88199**
**Project Description: Xcel/RIFS/25688375**
**Project Title:** **Template: 8270WNSP Printed: 05/03/2005 15:36**

**Sample: 365520 NS-GWMW10A-03(5** **Collected: 03/25/05** **Analyzed: 04/04/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| 2-Fluorophenol (SURR**) | 33% | | | | |
| Phenol-d5 (SURR**) | 22% | | | | |
| Nitrobenzene-d5 (SURR**) | 63% | | | | |
| 2-Fluorobiphenyl (SURR**) | 66% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 66% | | | | |
| Terphenyl-d14 (SURR**) | 57% | | | | |

Laboratory control spike and laboratory control spike duplicate recoveries for Dibenzofuran were below QC limits.
Matrix spike and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

**ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88199**
**Project Description: Xcel/RIFS/25688375**
**Project Title:** **Template: 8270WNSP** **Printed: 05/03/2005 15:36**

**Sample: 365521** **NS-GWMW21A-0305** **Collected: 03/25/05** **Analyzed: 04/04/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 200 | 210 | 710 |
| Acenaphthylene | [320] | ug/L | 200 | 210 | 700 |
| Anthracene | ND | ug/L | 200 | 200 | 660 |
| Benzo[a]anthracene | ND | ug/L | 200 | 180 | 610 |
| Benzo[a]pyrene | ND | ug/L | 200 | 210 | 690 |
| Benzo[b]fluoranthene | ND | ug/L | 200 | 180 | 610 |
| Benzo[g,h,i]perylene | ND | ug/L | 200 | 200 | 670 |
| Benzo[k]fluoranthene | ND | ug/L | 200 | 230 | 780 |
| Chrysene | ND | ug/L | 200 | 200 | 670 |
| Dibenzo[a,h]anthracene | ND | ug/L | 200 | 200 | 660 |
| Dibenzofuran | ND | ug/L | 200 | 220 | 730 |
| Fluoranthene | ND | ug/L | 200 | 190 | 650 |
| Fluorene | ND | ug/L | 200 | 200 | 660 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 200 | 190 | 630 |
| 1-Methylnaphthalene | 750 | ug/L | 200 | 210 | 700 |
| 2-Methylnaphthalene | 1100 | ug/L | 200 | 210 | 710 |
| 2-Methylphenol | ND | ug/L | 200 | 180 | 600 |
| 3 & 4-Methylphenol | ND | ug/L | 200 | 290 | 960 |
| Naphthalene | 6000 | ug/L | 200 | 210 | 710 |
| Phenanthrene | ND | ug/L | 200 | 200 | 650 |
| Phenol | ND | ug/L | 200 | 100 | 340 |
| Pyrene | ND | ug/L | 200 | 190 | 620 |
| Benzo[e]pyrene | ND | ug/L | 200 | 210 | 690 |
| 2-Fluorophenol (SURR**) | 36% | | | | |
| Phenol-d5 (SURR**) | 23% | | | | |
| Nitrobenzene-d5 (SURR**) | 70% | | | | |
| 2-Fluorobiphenyl (SURR**) | 82% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 73% | | | | |
| Terphenyl-d14 (SURR**) | 63% | | | | |

A 10 fold dilution was performed during extraction.
Laboratory control spike and laboratory control spike duplicate recoveries for Dibenzofuran were below QC limits.
Matrix spike and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

## ANALYTICAL RESULTS: Semi-Volatile Organic Compounds by EPA 8270C - Water

**Customer: URS Corporation (Milwaukee)** **NLS Project: 88199**
**Project Description: Xcel/RIFS 25688375**
**Project Title:** **Template: 8270WNSP Printed: 05/03/2005 15:36**

**Sample: 365522 NS-WQDup7-0305** **Collected: 03/25/05** **Analyzed: 04/04/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Acenaphthene | ND | ug/L | 1 | 1.1 | 3.6 |
| Acenaphthylene | ND | ug/L | 1 | 1.0 | 3.5 |
| Anthracene | ND | ug/L | 1 | 0.98 | 3.3 |
| Benzo[a]anthracene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[a]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[b]fluoranthene | ND | ug/L | 1 | 0.92 | 3.1 |
| Benzo[g,h,i]perylene | ND | ug/L | 1 | 1.0 | 3.4 |
| Benzo[k]fluoranthene | ND | ug/L | 1 | 1.2 | 3.9 |
| Chrysene | ND | ug/L | 1 | 1.0 | 3.4 |
| Dibenzo[a,h]anthracene | ND | ug/L | 1 | 0.99 | 3.3 |
| Dibenzofuran | ND | ug/L | 1 | 1.1 | 3.6 |
| Fluoranthene | ND | ug/L | 1 | 0.97 | 3.2 |
| Fluorene | ND | ug/L | 1 | 0.99 | 3.3 |
| Indeno[1,2,3-cd]pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| 1-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylnaphthalene | ND | ug/L | 1 | 1.1 | 3.5 |
| 2-Methylphenol | ND | ug/L | 1 | 0.90 | 3.0 |
| 3 & 4-Methylphenol | ND | ug/L | 1 | 1.4 | 4.8 |
| Naphthalene | ND | ug/L | 1 | 1.1 | 3.6 |
| Phenanthrene | ND | ug/L | 1 | 0.98 | 3.3 |
| Phenol | ND | ug/L | 1 | 0.51 | 1.7 |
| Pyrene | ND | ug/L | 1 | 0.94 | 3.1 |
| Benzo[e]pyrene | ND | ug/L | 1 | 1.0 | 3.4 |
| 2-Fluorophenol (SURR**) | 32% | | | | |
| Phenol-d5 (SURR**) | 21% | | | | |
| Nitrobenzene-d5 (SURR**) | 59% | | | | |
| 2-Fluorobiphenyl (SURR**) | 62% | | | | |
| 2,4,6-Tribromophenol (SURR**) | 69% | | | | |
| Terphenyl-d14 (SURR**) | 53% | | | | |

Laboratory control spike and laboratory control spike duplicate recoveries for Dibenzofuran were below QC limits.
Matrix spike and matrix spike duplicate recoveries for 1-Methylnaphthalene were below QC limits.

** Surrogates are used to evaluate a method's Quality Control.

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88199
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel/RIFS/25688375

**NS-GWMW23B-0305 NLS ID: 365501**
Ref. Line 1 COC 75713 NS-GWMW23B-0305 Matrix: GW
Collected: 03/24/05 08:30 Received: 03/25/05
Notes: Hexavalent chromium collected at 13:00.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | [0.017] | mg/L | 1 | 0.010 | 0.020 | 04/15/05 | SW846 6010 | 721026460 |
| | The batch 32 prep blank had an Al value of 0.012 mg/L. | | | | | | | |
| Aluminum, tot. recoverable as Al by ICP-Trace | 0.049 | mg/L | 1 | 0.010 | 0.020 | 04/15/05 | SW846 6010 | 721026460 |
| | The batch 31 prep blank had an Al value of 0.020 mg/L. | | | | | | | |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 04/26/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 04/26/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [2.8] | ug/L | 1 | 1.6 | 5.6 | 04/25/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.8] | ug/L | 1 | 1.6 | 5.6 | 04/25/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 100 | ug/L | 1 | 2.5* | 5.0 | 04/14/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 100 | ug/L | 1 | 2.5* | 5.0 | 04/14/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/14/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/15/05 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/14/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/14/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 21 | mg/L | 1 | 0.15* | 0.30 | 04/14/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 21 | mg/L | 1 | 0.15* | 0.30 | 04/14/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 4.5 | ug/L | 1 | 3.6* | | 03/25/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | ug/L | | 3.6* | | 04/19/05 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | |
| Chromium, dis. as Cr by ICP-Trace | [1.0] | ug/L | 1 | 0.45 | 1.4 | 04/14/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | ND | ug/L | 1 | 0.45 | 1.4 | 04/14/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | [0.79] | ug/L | 1 | 0.67 | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | [0.80] | ug/L | 1 | 0.67 | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/14/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/14/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 03/31/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 04/14/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | [0.035] | mg/L | 1 | 0.033 | 0.10 | 04/14/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/14/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | [2.1] | ug/L | 1 | 1.0 | 3.3 | 04/14/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 8.3 | mg/L | 1 | 0.15* | 0.30 | 04/14/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 8.3 | mg/L | 1 | 0.15* | 0.30 | 04/14/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 32 | ug/L | 1 | 1.0* | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 32 | ug/L | 1 | 1.0* | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/31/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/31/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.71 | 2.3 | 04/14/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | ND | ug/L | 1 | 0.71 | 2.3 | 04/14/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 4.6 | mg/L | 1 | 0.36 | 1.3 | 04/11/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 4.5 | mg/L | 1 | 0.36 | 1.3 | 04/11/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 04/21/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 04/21/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | [0.85] | ug/L | 1 | 0.67 | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/14/05 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88199
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel/RIFS/25688375

**NS-GWMW23B-0305 NLS ID: 36550 L**
Ref. Line 1 COC 75713 NS-GWMW23B-0305 Matrix: GW
Collected: 03/24/05 08:30 Received: 03/25/05
Notes: Hexavalent chromium collected at 11:00.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Sodium, dis. as Na | 16 | mg/L | 1 | 0.033 | 0.12 | 04/11/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 16 | mg/L | 1 | 0.033 | 0.12 | 04/11/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/23/05 | SW846 7841 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/23/05 | SW846 7841 | 721026460 |
| Vanadium, dis as V by ICP-Trace | [1.2] | ug/L | 1 | 0.67 | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | [1.4] | ug/L | 1 | 0.67 | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | 17 | ug/L | 1 | 5.0* | 10 | 04/15/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 04/14/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/26/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/26/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/26/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/26/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/31/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/30/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 04/04/05 | SW846 8270C | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88199**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel/RIFS/25688375**

**NS-GWMW07R-0305 NLS ID: 365502**
Ref. Line 2 COC 75713 NS-GWMW07R-0305 Matrix: GW
Collected: 03/24/05 13:30 Received: 03/25/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | [0.020] | mg/L | 1 | 0.010 | 0.020 | 04/15/05 | SW846 6010 | 721026460 |
| | The batch 32 prep blank had an Al value of 0.012 mg/L. | | | | | | | |
| Aluminum, tot. recoverable as Al by ICP-Trace | 22 | mg/L | 1 | 0.010 | 0.020 | 04/14/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 04/26/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [2.8] | ug/L | 1 | 2.0 | 7.1 | 04/26/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | 5.7 | ug/L | 1 | 1.6 | 5.6 | 04/25/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 8.2 | ug/L | 1 | 1.6 | 5.6 | 04/25/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 830 | ug/L | 1 | 2.5* | 5.0 | 04/14/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 1100 | ug/L | 1 | 2.5* | 5.0 | 04/14/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/14/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/14/05 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | [0.17] | ug/L | 1 | 0.17 | 0.50 | 04/14/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/14/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 80 | mg/L | 1 | 0.15* | 0.30 | 04/14/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 89 | mg/L | 1 | 0.15* | 0.30 | 04/14/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 03/25/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 29 | ug/L | 1 | 3.6* | | 04/19/05 | Calc. | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.66] | ug/L | 1 | 0.45 | 1.4 | 04/14/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | 29 | ug/L | 1 | 0.45 | 1.4 | 04/14/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | [1.4] | ug/L | 1 | 0.67 | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | 12 | ug/L | 1 | 0.67 | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/14/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | 36 | ug/L | 1 | 1.3 | 4.0 | 04/14/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | 0.033 | mg/L | 1 | 0.0050 | 0.015 | 03/31/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 0.92 | mg/L | 1 | 0.033 | 0.10 | 04/14/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | 25 | mg/L | 1 | 0.033 | 0.10 | 04/14/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [2.5] | ug/L | 1 | 1.0 | 3.3 | 04/14/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | 13 | ug/L | 1 | 1.0 | 3.3 | 04/14/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 40 | mg/L | 1 | 0.15* | 0.30 | 04/14/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 49 | mg/L | 1 | 0.15* | 0.30 | 04/14/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 230 | ug/L | 1 | 1.0* | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 550 | ug/L | 1 | 1.0* | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/31/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | [0.026] | ug/L | 1 | 0.025 | 0.050 | 03/31/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [0.77] | ug/L | 1 | 0.71 | 2.3 | 04/14/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | 26 | ug/L | 1 | 0.71 | 2.3 | 04/14/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 6.0 | mg/L | 1 | 0.36 | 1.3 | 04/11/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 11 | mg/L | 1 | 0.36 | 1.3 | 04/11/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 04/21/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 04/21/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | 2.6 | ug/L | 1 | 0.67 | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 29 | mg/L | 1 | 0.033 | 0.12 | 04/11/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 28 | mg/L | 1 | 0.033 | 0.12 | 04/11/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/23/05 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88199
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel/RIFS/25688375

**NS-GWMW07R-0305 NLS ID: 365502**
Ref. Line 2 COC 75713 NS-GWMW07R-0305 Matrix: GW
Collected: 03/24/05 13:30 Received: 03/25/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/23/05 | SW846 7841 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 2.1 | ug/L | 1 | 0.67 | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | 51 | ug/L | 1 | 0.67 | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 04/14/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | 76 | ug/L | 1 | 5.0* | 10 | 04/14/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/26/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/26/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/26/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/26/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/31/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/30/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 04/04/05 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 88199
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Project: Xcel/RIFS/25688375

**NS-GWMW07A-0305 NLS ID: 365503**
Ref. Line 3 COC 75713 NS-GWMW07A-0305 Matrix: GW
Collected: 03/24/05 10:15 Received: 03/25/05
Notes: Hexavalent chromium collected at 13:20.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.010 | 0.020 | 04/15/05 | SW846 6010 | 721026460 |
| Aluminum, tot. recoverable as Al by ICP-Trace | 2.2 | mg/L | 1 | 0.010 | 0.020 | 04/14/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 04/26/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [2.1] | ug/L | 1 | 2.0 | 7.1 | 04/26/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [2.9] | ug/L | 1 | 1.6 | 5.6 | 04/25/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [3.9] | ug/L | 1 | 1.6 | 5.6 | 04/25/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 190 | ug/L | 1 | 2.5* | 5.0 | 04/14/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 330 | ug/L | 1 | 2.5* | 5.0 | 04/14/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/14/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/14/05 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/14/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/14/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 29 | mg/L | 1 | 0.15* | 0.30 | 04/14/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 44 | mg/L | 1 | 0.15* | 0.30 | 04/14/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 03/25/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 3.7 | ug/L | 1 | 3.6* | | 04/19/05 | Calc. | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [1.3] | ug/L | 1 | 0.45 | 1.4 | 04/14/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | 3.7 | ug/L | 1 | 0.45 | 1.4 | 04/14/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | [0.85] | ug/L | 1 | 0.67 | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | [1.8] | ug/L | 1 | 0.67 | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/14/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | 6.1 | ug/L | 1 | 1.3 | 4.0 | 04/15/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.014] | mg/L | 1 | 0.0050 | 0.015 | 03/31/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | [0.044] | mg/L | 1 | 0.033 | 0.10 | 04/14/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | 2.5 | mg/L | 1 | 0.033 | 0.10 | 04/14/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/14/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | [2.5] | ug/L | 1 | 1.0 | 3.3 | 04/14/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 11 | mg/L | 1 | 0.15* | 0.30 | 04/14/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 19 | mg/L | 1 | 0.15* | 0.30 | 04/14/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 37 | ug/L | 1 | 1.0* | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 98 | ug/L | 1 | 1.0* | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/31/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/31/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.71 | 2.3 | 04/14/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | 2.7 | ug/L | 1 | 0.71 | 2.3 | 04/14/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 3.7 | mg/L | 1 | 0.36 | 1.3 | 04/11/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 4.7 | mg/L | 1 | 0.36 | 1.3 | 04/11/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 04/21/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 04/21/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | [1.2] | ug/L | 1 | 0.67 | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | [1.1] | ug/L | 1 | 0.67 | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 20 | mg/L | 1 | 0.033 | 0.12 | 04/11/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 20 | mg/L | 1 | 0.033 | 0.12 | 04/11/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/23/05 | SW846 7841 | 721026460 |

NORTHERN [illegible] SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-[illegible]
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88199
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel/RIFS/25688375

**NS-GWMW07A-0305 NLS ID: 365503**
Ref. Line 3 COC 75713 NS-GWMW07A-0305 Matrix: GW
Collected: 03/24/05 10:15 Received: 03/25/05
Notes: Hexavalent chromium collected at 13:20.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/23/05 | SW846 7841 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [1.1] | ug/L | 1 | 0.67 | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | 5.9 | ug/L | 1 | 0.67 | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | 11 | ug/L | 1 | 5.0* | 10 | 04/15/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | 22 | ug/L | 1 | 5.0* | 10 | 04/14/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/26/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/26/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/26/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/26/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/31/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/30/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 04/04/05 | SW846 8270C | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**NLS Project: 88199**
**NLS Customer: 91206**

**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**Fax: 414 831 4101 Phone: 414 831 4100**

**Project:** **Xcel/RIFS/25688375**

**NS-GWMW07BMS/MSD-0305 NLS ID: 365504**
Ref. Line 4 COC 75713 NS-GWMW07BMS/MSD-0305 Matrix: GW
Collected: 03/24/05 09:30 Received: 03/25/05
Notes: Hexavalent chromium collected at 13:10.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | 0.48 | mg/L | 1 | 0.010 | 0.020 | 04/14/05 | SW846 6010 | 721026460 |
| Aluminum, tot. recoverable as Al by ICP-Trace | 92 | mg/L | 1 | 0.010 | 0.020 | 04/14/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 04/26/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | ND | ug/L | 2 | 4.0 | 14 | 04/26/05 | SW846 7041 | 721026460 |
| | Matrix spike and spike duplicate recoveries associated with this batch were outside of NLS in-house control limits at 25.2 % and 23 % respectively. | | | | | | | |
| Arsenic, dis. as As by furnace AAS | [2.8] | ug/L | 1 | 1.6 | 5.6 | 04/25/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 9.5 | ug/L | 1 | 1.6 | 5.6 | 04/25/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 61 | ug/L | 1 | 2.5* | 5.0 | 04/14/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 630 | ug/L | 1 | 2.5* | 5.0 | 04/14/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/14/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 10 | 1.7 | 5.0 | 04/15/05 | SW846 6010 | 721026460 |
| | Dilution was required to reduce matrix interferences. | | | | | | | |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/14/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 10 | 1.7 | 5.0 | 04/15/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 19 | mg/L | 1 | 0.15* | 0.30 | 04/14/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 72 | mg/L | 1 | 0.15* | 0.30 | 04/14/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 03/25/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 140 | ug/L | 1 | 3.6* | | 04/19/05 | Calc. | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | 1.7 | ug/L | 1 | 0.45 | 1.4 | 04/14/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | 140 | ug/L | 1 | 0.45 | 1.4 | 04/14/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | [0.79] | ug/L | 1 | 0.67 | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | 54 | ug/L | 1 | 0.67 | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/14/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | 200 | ug/L | 1 | 1.3 | 4.0 | 04/14/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 03/31/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 0.40 | mg/L | 1 | 0.033 | 0.10 | 04/14/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | 110 | mg/L | 1 | 0.033 | 0.10 | 04/14/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/14/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | 19 | ug/L | 1 | 1.0 | 3.3 | 04/14/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 7.3 | mg/L | 1 | 0.15* | 0.30 | 04/14/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 61 | mg/L | 1 | 0.15* | 0.30 | 04/14/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 50 | ug/L | 1 | 1.0* | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 1700 | ug/L | 1 | 1.0* | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/31/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/31/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.71 | 2.3 | 04/14/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | 110 | ug/L | 1 | 0.71 | 2.3 | 04/14/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 3.6 | mg/L | 1 | 0.36 | 1.3 | 04/11/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 21 | mg/L | 1 | 0.36 | 1.3 | 04/11/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 04/21/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 2 | 3.7 | 13 | 04/21/05 | SW846 7740 | 721026460 |
| | Sample required a dilution to overcome negative interference encountered during analysis. | | | | | | | |
| Silver, dis. as Ag by ICP-Trace | [0.91] | ug/L | 1 | 0.67 | 2.0 | 04/14/05 | SW846 6010 | 721026460 |

NORTHERN [redacted] SERVICE, INC.
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88199
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel/RIFS/25688375

**NS-GWMW07BMS/MSD-0305 NLS ID: 365504**
Ref. Line 4 COC 75713 NS-GWMW07BMS/MSD-0305 Matrix: GW
Collected: 03/24/05 09:30 Received: 03/25/05
Notes: Hexavalent chromium collected at 13:10.

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Silver, tot. recoverable as Ag by ICP-Trace | 8.5 | ug/L | 1 | 0.67 | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 15 | mg/L | 1 | 0.033 | 0.12 | 04/11/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 18 | mg/L | 1 | 0.033 | 0.12 | 04/11/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/23/05 | SW846 7841 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/23/05 | SW846 7841 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 3.4 | ug/L | 1 | 0.67 | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | 220 | ug/L | 1 | 0.67 | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 04/14/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | 260 | ug/L | 1 | 5.0* | 10 | 04/14/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/26/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/26/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/26/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/26/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/31/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/30/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 04/04/05 | SW846 8270C | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
**Analytical Laboratory and Environmental Services**
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 88199**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel/RIFS/25688375**

**NS-GWTW12-0305 NLS ID: 365505**
Ref. Line 6 COC 75713 NS-GWTW12-0305 Matrix: GW
Collected: 03/24/05 14:30 Received: 03/25/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | [0.016] | mg/L | 1 | 0.010 | 0.020 | 04/15/05 | SW846 6010 | 721026460 |
| | The batch 32 prep blank had an Al value of 0.012 mg/L. | | | | | | | |
| Aluminum, tot. recoverable as Al by ICP-Trace | 0.034 | mg/L | 1 | 0.010 | 0.020 | 04/15/05 | SW846 6010 | 721026460 |
| | The batch 31 prep blank had an Al value of 0.020 mg/L. | | | | | | | |
| Antimony, dis. as Sb by furnace AAS | [3.4] | ug/L | 1 | 2.0 | 7.1 | 04/26/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [2.9] | ug/L | 1 | 2.0 | 7.1 | 04/26/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [2.4] | ug/L | 1 | 1.6 | 5.6 | 04/25/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [2.7] | ug/L | 1 | 1.6 | 5.6 | 04/25/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 210 | ug/L | 1 | 2.5* | 5.0 | 04/14/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 210 | ug/L | 1 | 2.5* | 5.0 | 04/14/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/15/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/15/05 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/14/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/14/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 78 | mg/L | 1 | 0.15* | 0.30 | 04/14/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 77 | mg/L | 1 | 0.15* | 0.30 | 04/14/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | 5.9 | ug/L | 1 | 3.6* | | 03/25/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | NR | ug/L | | 3.6* | | 04/19/05 | Calc. | 721026460 |
| | No reportable value due to hexavalent chromium result exceeding that of total chromium. | | | | | | | |
| Chromium, dis. as Cr by ICP-Trace | [1.4] | ug/L | 1 | 0.45 | 1.4 | 04/14/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | 1.8 | ug/L | 1 | 0.45 | 1.4 | 04/14/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | [1.5] | ug/L | 1 | 0.67 | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/14/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/14/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 03/31/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 14 | mg/L | 1 | 0.033 | 0.10 | 04/14/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | 15 | mg/L | 1 | 0.033 | 0.10 | 04/14/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/14/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | [1.2] | ug/L | 1 | 1.0 | 3.3 | 04/14/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 20 | mg/L | 1 | 0.15* | 0.30 | 04/14/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 19 | mg/L | 1 | 0.15* | 0.30 | 04/14/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 940 | ug/L | 1 | 1.0* | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 940 | ug/L | 1 | 1.0* | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/31/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/31/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | ND | ug/L | 1 | 0.71 | 2.3 | 04/14/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | [0.90] | ug/L | 1 | 0.71 | 2.3 | 04/14/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 3.2 | mg/L | 1 | 0.36 | 1.3 | 04/11/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 3.4 | mg/L | 1 | 0.36 | 1.3 | 04/11/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 04/21/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 04/21/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | 2.2 | ug/L | 1 | 0.67 | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | [1.9] | ug/L | 1 | 0.67 | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 100 | mg/L | 1 | 0.033 | 0.12 | 04/11/05 | SW846 6010 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88199
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel/RIFS/25688375

**NS-GWTW12-0305 NLS ID: 365505**
Ref. Line 6 COC 75713 NS-GWTW12-0305 Matrix: GW
Collected: 03/24/05 14:30 Received: 03/25/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Sodium, tot. recoverable as Na by ICP | 100 | mg/L | 1 | 0.033 | 0.12 | 04/11/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/23/05 | SW846 7841 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/23/05 | SW846 7841 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [1.4] | ug/L | 1 | 0.67 | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | [1.3] | ug/L | 1 | 0.67 | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 04/14/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 04/14/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/26/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/26/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/26/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/26/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/31/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/30/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 04/04/05 | SW846 8270C | 721026460 |

**NS-WQTripBlank8-0305 NLS ID: 365506**
Ref. Line 7 COC 75713 NS-WQTripBlank8-0305 Matrix: TB
Collected: 03/24/05 00:00 Received: 03/25/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 03/31/05 | SW846 8260 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88199
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel/RIFS/25688375

**NS-GWMW10-0305 NLS ID: 365519**
Ref. Line 1 COC 75714 NS-GWMW10-0305 Matrix: GW
Collected: 03/25/05 07:40 Received: 03/25/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | [0.014] | mg/L | 1 | 0.010 | 0.020 | 04/15/05 | SW846 6010 | 721026460 |
| | The batch 32 prep blank had an Al value of 0.012 mg/L. | | | | | | | |
| Aluminum, tot. recoverable as Al by ICP-Trace | 7.7 | mg/L | 1 | 0.010 | 0.020 | 04/14/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | ND | ug/L | 1 | 2.0 | 7.1 | 04/26/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [4.2] | ug/L | 1 | 2.0 | 7.1 | 04/26/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [3.2] | ug/L | 1 | 1.6 | 5.6 | 04/25/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [3.7] | ug/L | 1 | 1.6 | 5.6 | 04/25/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 250 | ug/L | 1 | 2.5* | 5.0 | 04/14/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 310 | ug/L | 1 | 2.5* | 5.0 | 04/14/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/15/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/14/05 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | [0.21] | ug/L | 1 | 0.17 | 0.50 | 04/14/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | [0.19] | ug/L | 1 | 0.17 | 0.50 | 04/14/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 170 | mg/L | 1 | 0.15* | 0.30 | 04/14/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 170 | mg/L | 1 | 0.15* | 0.30 | 04/14/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 03/25/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 11 | ug/L | 1 | 3.6* | | 04/19/05 | Calc. | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | 1.6 | ug/L | 1 | 0.45 | 1.4 | 04/14/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | 11 | ug/L | 1 | 0.45 | 1.4 | 04/14/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | [0.88] | ug/L | 1 | 0.67 | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | 7.5 | ug/L | 1 | 0.67 | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | 11 | ug/L | 1 | 1.3 | 4.0 | 04/14/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | 19 | ug/L | 1 | 1.3 | 4.0 | 04/15/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 03/31/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 04/14/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | 9.8 | mg/L | 1 | 0.033 | 0.10 | 04/14/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [1.4] | ug/L | 1 | 1.0 | 3.3 | 04/14/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | 7.6 | ug/L | 1 | 1.0 | 3.3 | 04/14/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 94 | mg/L | 1 | 0.15* | 0.30 | 04/14/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 100 | mg/L | 1 | 0.15* | 0.30 | 04/14/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | ND | ug/L | 1 | 1.0* | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 250 | ug/L | 1 | 1.0* | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/31/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/31/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.9] | ug/L | 1 | 0.71 | 2.3 | 04/14/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | 10 | ug/L | 1 | 0.71 | 2.3 | 04/14/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 1.8 | mg/L | 1 | 0.36 | 1.3 | 04/11/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 4.1 | mg/L | 1 | 0.36 | 1.3 | 04/11/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 04/21/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 04/21/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | [1.2] | ug/L | 1 | 0.67 | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | ND | ug/L | 1 | 0.67 | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 58 | mg/L | 1 | 0.033 | 0.12 | 04/11/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 61 | mg/L | 1 | 0.033 | 0.12 | 04/11/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/23/05 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88199
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel/RIFS/25688375

**NS-GWMW10-0305 NLS ID: 365519**
Ref. Line 1 COC 75714 NS-GWMW10-0305 Matrix: GW
Collected: 03/25/05 07:40 Received: 03/25/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/23/05 | SW846 7841 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | 2.6 | ug/L | 1 | 0.67 | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | 19 | ug/L | 1 | 0.67 | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Zinc dis. as Zn by ICP-Trace | 14 | ug/L | 1 | 5.0* | 10 | 04/15/05 | SW846 6010 | 721026460 |
| Zinc tot. recoverable as Zn by ICP-Trace | 50 | ug/L | 1 | 5.0* | 10 | 04/14/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/26/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/26/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/26/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/26/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/31/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/30/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 04/04/05 | SW846 8270C | 721026460 |

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Analytical Laboratory and Environmental Services
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 88199
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel/RIFS/25688375

**NS-GWMW10A-0305 NLS ID: 365520**
Ref. Line 2 COC 75714 NS-GWMW10A-0305 Matrix: GW
Collected: 03/25/05 07:50 Received: 03/25/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | ND | mg/L | 1 | 0.010 | 0.020 | 04/15/05 | SW846 6010 | 721026460 |
| | The batch 32 prep blank had an Al value of 0.012 mg/L. | | | | | | | |
| Aluminum, tot. recoverable as Al by ICP-Trace | 0.67 | mg/L | 1 | 0.010 | 0.020 | 04/14/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | [3.0] | ug/L | 1 | 2.0 | 7.1 | 04/26/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [2.7] | ug/L | 1 | 2.0 | 7.1 | 04/26/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | 6.1 | ug/L | 1 | 1.6 | 5.6 | 04/25/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [5.5] | ug/L | 1 | 1.6 | 5.6 | 04/25/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 200 | ug/L | 1 | 2.5* | 5.0 | 04/14/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 200 | ug/L | 1 | 2.5* | 5.0 | 04/14/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/15/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/14/05 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/14/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/14/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 110 | mg/L | 1 | 0.15* | 0.30 | 04/14/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 110 | mg/L | 1 | 0.15* | 0.30 | 04/14/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 03/25/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 04/19/05 | Calc. | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.85] | ug/L | 1 | 0.45 | 1.4 | 04/14/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | 2.7 | ug/L | 1 | 0.45 | 1.4 | 04/14/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | [1.2] | ug/L | 1 | 0.67 | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | [1.4] | ug/L | 1 | 0.67 | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/14/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | 7.5 | ug/L | 1 | 1.3 | 4.0 | 04/15/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 03/31/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 04/14/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | 0.82 | mg/L | 1 | 0.033 | 0.10 | 04/14/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | 3.5 | ug/L | 1 | 1.0 | 3.3 | 04/14/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | 4.6 | ug/L | 1 | 1.0 | 3.3 | 04/14/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 62 | mg/L | 1 | 0.15* | 0.30 | 04/14/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 62 | mg/L | 1 | 0.15* | 0.30 | 04/14/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 170 | ug/L | 1 | 1.0* | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 200 | ug/L | 1 | 1.0* | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/31/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/31/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.3] | ug/L | 1 | 0.71 | 2.3 | 04/14/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | 3.7 | ug/L | 1 | 0.71 | 2.3 | 04/14/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 7.1 | mg/L | 1 | 0.36 | 1.3 | 04/11/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 7.4 | mg/L | 1 | 0.36 | 1.3 | 04/11/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 04/21/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 04/21/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | [1.0] | ug/L | 1 | 0.67 | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | [1.1] | ug/L | 1 | 0.67 | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 29 | mg/L | 1 | 0.033 | 0.12 | 04/11/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 29 | mg/L | 1 | 0.033 | 0.12 | 04/11/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/23/05 | SW846 7841 | 721026460 |

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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-530
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88199
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel/RIFS/25688375

**NS-GWMW10A-0305 NLS ID: 365520**
Ref. Line 2 COC 75714 NS-GWMW10A-0305 Matrix: GW
Collected: 03/25/05 07:50 Received: 03/25/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/23/05 | SW846 7841 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [1.5] | ug/L | 1 | 0.67 | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | 3.1 | ug/L | 1 | 0.67 | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | 19 | ug/L | 1 | 5.0* | 10 | 04/15/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | 35 | ug/L | 1 | 5.0* | 10 | 04/14/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/26/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/26/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/26/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/26/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/31/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/30/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 04/04/05 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
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# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88199
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel/RIFS/25688375

**NS-GWMW21A-0305 NLS ID: 365521**
Ref. Line 3 COC 75714 NS-GWMW21A-0305 Matrix: GW
Collected: 03/25/05 08:30 Received: 03/25/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | [0.015] | mg/L | 1 | 0.010 | 0.020 | 04/15/05 | SW846 6010 | 721026460 |
| | The batch 32 prep blank had an Al value of 0.012 mg/L. | | | | | | | |
| Aluminum, tot. recoverable as Al by ICP-Trace | 2.5 | mg/L | 1 | 0.010 | 0.020 | 04/14/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | [2.6] | ug/L | 1 | 2.0 | 7.1 | 04/26/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [3.5] | ug/L | 1 | 2.0 | 7.1 | 04/26/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | [5.2] | ug/L | 1 | 1.6 | 5.6 | 04/25/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | [3.8] | ug/L | 1 | 1.6 | 5.6 | 04/25/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 440 | ug/L | 1 | 2.5* | 5.0 | 04/14/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 480 | ug/L | 1 | 2.5* | 5.0 | 04/14/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/15/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/14/05 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/14/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/14/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 110 | mg/L | 1 | 0.15* | 0.30 | 04/14/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 110 | mg/L | 1 | 0.15* | 0.30 | 04/14/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 03/25/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | 4.2 | ug/L | 1 | 3.6* | | 04/19/05 | Calc. | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [1.3] | ug/L | 1 | 0.45 | 1.4 | 04/14/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | 4.2 | ug/L | 1 | 0.45 | 1.4 | 04/14/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | [1.9] | ug/L | 1 | 0.67 | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | 3.2 | ug/L | 1 | 0.67 | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | ND | ug/L | 1 | 1.3 | 4.0 | 04/14/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | 11 | ug/L | 1 | 1.3 | 4.0 | 04/15/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | [0.013] | mg/L | 1 | 0.0050 | 0.015 | 03/31/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | 0.99 | mg/L | 1 | 0.033 | 0.10 | 04/14/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | 3.9 | mg/L | 1 | 0.033 | 0.10 | 04/14/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | ND | ug/L | 1 | 1.0 | 3.3 | 04/14/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | 3.6 | ug/L | 1 | 1.0 | 3.3 | 04/14/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 61 | mg/L | 1 | 0.15* | 0.30 | 04/14/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 63 | mg/L | 1 | 0.15* | 0.30 | 04/14/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 550 | ug/L | 1 | 1.0* | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 590 | ug/L | 1 | 1.0* | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/31/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/31/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.6] | ug/L | 1 | 0.71 | 2.3 | 04/14/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | 4.6 | ug/L | 1 | 0.71 | 2.3 | 04/14/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 8.2 | mg/L | 1 | 0.36 | 1.3 | 04/11/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 8.9 | mg/L | 1 | 0.36 | 1.3 | 04/11/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 04/21/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 04/21/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | [1.2] | ug/L | 1 | 0.67 | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | [0.84] | ug/L | 1 | 0.67 | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 34 | mg/L | 1 | 0.033 | 0.12 | 04/11/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 33 | mg/L | 1 | 0.033 | 0.12 | 04/11/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/23/05 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-306 )

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-530
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88199
NLS Customer: 91206

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel/RIFS/25688375

**NS-GWMW21A-0305 NLS ID: 365521**
Ref. Line 3 COC 75714 NS-GWMW21A-0305 Matrix: GW
Collected: 03/25/05 08:30 Received: 03/25/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Thallium, tot. recoverable by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/23/05 | SW846 7841 | 721026460 |
| Vanadium, dis. as V by ICP-Trace | [1.1] | ug/L | 1 | 0.67 | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | 6.1 | ug/L | 1 | 0.67 | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | ND | ug/L | 1 | 5.0* | 10 | 04/15/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | 15 | ug/L | 1 | 5.0* | 10 | 04/14/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/26/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/26/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/26/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/26/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/31/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/30/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 04/04/05 | SW846 8270C | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



NLS Project: 88199
NLS Customer: 91206

Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel/RIFS/25688375

**NS-WQDup7-0305 NLS ID: 365522**
Ref. Line 4 COC 75714 NS-WQDup7-0305 Matrix: GW
Collected: 03/25/05 00:00 Received: 03/25/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Aluminum, dis. as Al by ICP-Trace | [0.010] | mg/L | 1 | 0.010 | 0.020 | 04/15/05 | SW846 6010 | 721026460 |
| Aluminum, tot. recoverable as Al by ICP-Trace | 0.64 | mg/L | 1 | 0.010 | 0.020 | 04/14/05 | SW846 6010 | 721026460 |
| Antimony, dis. as Sb by furnace AAS | [2.6] | ug/L | 1 | 2.0 | 7.1 | 04/26/05 | SW846 7041 | 721026460 |
| Antimony, tot. recoverable as Sb by furnace AAS | [2.3] | ug/L | 1 | 2.0 | 7.1 | 04/26/05 | SW846 7041 | 721026460 |
| Arsenic, dis. as As by furnace AAS | 6.4 | ug/L | 1 | 1.6 | 5.6 | 04/25/05 | SW846 7060 | 721026460 |
| Arsenic, tot. recoverable as As by furnace AAS | 6.1 | ug/L | 1 | 1.6 | 5.6 | 04/25/05 | SW846 7060 | 721026460 |
| Barium, dis. as Ba by ICP-Trace | 200 | ug/L | 1 | 2.5* | 5.0 | 04/14/05 | SW846 6010 | 721026460 |
| Barium, tot. recoverable as Ba by ICP-Trace | 200 | ug/L | 1 | 2.5* | 5.0 | 04/14/05 | SW846 6010 | 721026460 |
| Beryllium, dis. as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/15/05 | SW846 6010 | 721026460 |
| Beryllium, tot. recoverable as Be by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/14/05 | SW846 6010 | 721026460 |
| Cadmium, dis. as Cd by ICP-Trace | ND | ug/L | 1 | 0.17 | 0.50 | 04/14/05 | SW846 6010 | 721026460 |
| Cadmium, tot. recoverable as Cd by ICP-Trace | [0.22] | ug/L | 1 | 0.17 | 0.50 | 04/14/05 | SW846 6010 | 721026460 |
| Calcium, dis. as Ca by ICP-Trace | 110 | mg/L | 1 | 0.15* | 0.30 | 04/14/05 | SW846 6010 | 721026460 |
| Calcium, tot. recoverable as Ca by ICP-Trace | 110 | mg/L | 1 | 0.15* | 0.30 | 04/14/05 | SW846 6010 | 721026460 |
| Chromium, Hex. as Cr+6 | ND | ug/L | 1 | 3.6* | | 03/25/05 | SW846 7196A | 721026460 |
| Chromium, trivalent as Cr+3 | ND | ug/L | 1 | 3.6* | | 04/19/05 | Calc. | 721026460 |
| Chromium, dis. as Cr by ICP-Trace | [0.91] | ug/L | 1 | 0.45 | 1.4 | 04/14/05 | SW846 6010 | 721026460 |
| Chromium, tot. recoverable as Cr by ICP-Trace | 2.4 | ug/L | 1 | 0.45 | 1.4 | 04/14/05 | SW846 6010 | 721026460 |
| Cobalt, dis. as Co by ICP-Trace | [0.75] | ug/L | 1 | 0.67 | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Cobalt, tot. recoverable as Co by ICP-Trace | [1.4] | ug/L | 1 | 0.67 | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Copper, dis. as Cu by ICP-Trace | [1.9] | ug/L | 1 | 1.3 | 4.0 | 04/14/05 | SW846 6010 | 721026460 |
| Copper, tot. recoverable as Cu by ICP-Trace | 10 | ug/L | 1 | 1.3 | 4.0 | 04/15/05 | SW846 6010 | 721026460 |
| Cyanide, tot. (distilled) as CN | ND | mg/L | 1 | 0.0050 | 0.015 | 03/31/05 | EPA 335.4 | 721026460 |
| Iron, dis. as Fe by ICP-Trace | ND | mg/L | 1 | 0.033 | 0.10 | 04/14/05 | SW846 6010 | 721026460 |
| Iron, tot. recoverable as Fe by ICP-Trace | 0.91 | mg/L | 1 | 0.033 | 0.10 | 04/14/05 | SW846 6010 | 721026460 |
| Lead, dis. as Pb by ICP-Trace | [3.1] | ug/L | 1 | 1.0 | 3.3 | 04/14/05 | SW846 6010 | 721026460 |
| Lead, tot. recoverable as Pb by ICP-Trace | 5.2 | ug/L | 1 | 1.0 | 3.3 | 04/14/05 | SW846 6010 | 721026460 |
| Magnesium, dis. as Mg by ICP-Trace | 62 | mg/L | 1 | 0.15* | 0.30 | 04/14/05 | SW846 6010 | 721026460 |
| Magnesium, tot. recoverable as Mg by ICP-Trace | 62 | mg/L | 1 | 0.15* | 0.30 | 04/14/05 | SW846 6010 | 721026460 |
| Manganese, dis. as Mn by ICP-Trace | 170 | ug/L | 1 | 1.0* | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Manganese, tot. recoverable as Mn by ICP-Trace | 210 | ug/L | 1 | 1.0* | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Mercury, dis. as Hg | ND | ug/L | 1 | 0.025* | 0.050 | 03/31/05 | 245.7M/ 1631M | 721026460 |
| Mercury, tot. as Hg | ND | ug/L | 1 | 0.025 | 0.050 | 03/31/05 | 245.7M/ 1631M | 721026460 |
| Nickel, dis. as Ni by ICP-Trace | [1.3] | ug/L | 1 | 0.71 | 2.3 | 04/14/05 | SW846 6010 | 721026460 |
| Nickel, tot. recoverable as Ni by ICP-Trace | 3.6 | ug/L | 1 | 0.71 | 2.3 | 04/14/05 | SW846 6010 | 721026460 |
| Potassium, dis. as K | 7.0 | mg/L | 1 | 0.36 | 1.3 | 04/11/05 | SW846 6010 | 721026460 |
| Potassium, tot. recoverable as K by ICP | 7.6 | mg/L | 1 | 0.36 | 1.3 | 04/11/05 | SW846 6010 | 721026460 |
| Selenium, dis. as Se by furnace AAS | ND | ug/L | 1 | 1.9 | 6.4 | 04/21/05 | SW846 7740 | 721026460 |
| Selenium, tot. recoverable as Se by furnace | ND | ug/L | 1 | 1.9 | 6.4 | 04/21/05 | SW846 7740 | 721026460 |
| Silver, dis. as Ag by ICP-Trace | [0.87] | ug/L | 1 | 0.67 | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Silver, tot. recoverable as Ag by ICP-Trace | [1.2] | ug/L | 1 | 0.67 | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Sodium, dis. as Na | 29 | mg/L | 1 | 0.033 | 0.12 | 04/11/05 | SW846 6010 | 721026460 |
| Sodium, tot. recoverable as Na by ICP | 29 | mg/L | 1 | 0.033 | 0.12 | 04/11/05 | SW846 6010 | 721026460 |
| Thallium, dis. as Tl by furnace AAS | ND | ug/L | 1 | 2.4 | 8.4 | 04/23/05 | SW846 7841 | 721026460 |
| Thallium, tot. recoverable by furnace AAS | [2.6] | ug/L | 1 | 2.4 | 8.4 | 04/23/05 | SW846 7841 | 721026460 |

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 88199
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel/RIFS/25688375

**NS-WQDup7-0305 NLS ID: 365522**
Ref. Line 4 COC 75714 NS-WQDup7-0305 Matrix: GW
Collected: 03/25/05 00:00 Received: 03/25/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| Vanadium, dis. as V by ICP-Trace | [1.8] | ug/L | 1 | 0.67 | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Vanadium, tot. recoverable as V by ICP-Trace | 2.9 | ug/L | 1 | 0.67 | 2.0 | 04/14/05 | SW846 6010 | 721026460 |
| Zinc, dis. as Zn by ICP-Trace | 19 | ug/L | 1 | 5.0* | 10 | 04/15/05 | SW846 6010 | 721026460 |
| Zinc, tot. recoverable as Zn by ICP-Trace | 32 | ug/L | 1 | 5.0* | 10 | 04/14/05 | SW846 6010 | 721026460 |
| Metals digestion - tot. recov.ICP | yes | | | | | 03/26/05 | SW846 3005M | 721026460 |
| Metals digestion - tot. recov. GF | yes | | | | | 03/26/05 | SW846 3050M | 721026460 |
| Metals digestion - dissolved ICP | yes | | | | | 03/26/05 | SW846 3005M | 721026460 |
| Metals digestion - dissolved Furnace | yes | | | | | 03/26/05 | SW846 3005M | 721026460 |
| VOCs (water) by EPA 8260 | see attached | | | | | 03/31/05 | SW846 8260 | 721026460 |
| 8270 Acid/Base Extraction by 3510C | yes | | | | | 03/30/05 | SW846 3510 | 721026460 |
| Semivolatile GC/MS by 8270C | see attached | | | | | 04/04/05 | SW846 8270C | 721026460 |

**NS-WQTripBlank9-0305 NLS ID: 365523**
Ref. Line 5 COC 75714 NS-WQTripBlank9-0305 Matrix: TB
Collected: 03/25/05 00:00 Received: 03/25/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 03/31/05 | SW846 8260 | 721026460 |

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD


**NORTHERN LAKE SERVICE, INC.**

*Analytical Laboratory and Environmental Services*

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

*Wisconsin Lab Cert. No. 721026460*

*WI DATCP 105-000330*


NO. 75703

| | |
|---|---|
| CLIENT | |
| ADDRESS | |
| CITY / STATE / ZIP | |
| PROJECT DESCRIPTION / NO. | QUOTATION NO. |
| DNR FID # | DNR LICENSE # |
| CONTACT | PHONE |
| PURCHASE ORDER NO. | FAX |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

| ITEM NO. | NLS LAB. NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | ANALYZE PER ORDER OF ANALYSIS: VOC | SVOC | Chloride | Total metals | Diss. metals | Hardness | | | | | | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | N | N | N | N | Y | Y | | | | | | |
| 1. | | | 03/15/05 | 1300 | GW | X | | | | | | | | | | | |
| 2. | | | | 1305 | | X | X | X | X | X | X | | | | | | |
| 3. | | | | 1330 | | X | X | X | X | X | X | | | | | | |
| 4. | | | | 1340 | | X | X | X | X | X | X | | | | | | |
| 5. | | | | 1500 | | X | X | X | X | X | X | | | | | | |
| 6. | | | | 1515 | | X | X | X | X | X | X | | | | | | |
| 7. | | | | 1535 | | X | X | X | X | X | X | | | | | | |
| 8. | | | | — | | X | X | X | X | X | X | | | | | | |
| 9. | | | | — | | X | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature) | CUSTODY SEAL NO. (IF ANY) | DATE/TIME 3/16/05 1315 |
| RELINQUISHED BY (signature) | RECEIVED BY (signature) | DATE/TIME |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT: UPS | DATE/TIME |

REPORT TO

INVOICE TO

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature) | DATE/TIME 3/16/2005 | CONDITION Good | TEMP. |
| COOLER # 50-49, 50-44 | REMARKS & OTHER INFORMATION | | |
| | WDNR FACILITY NUMBER | E-MAIL ADDRESS | |

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

**IMPORTANT:**

1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. *RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.*
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

PUBLIC COPY

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD


**NORTHERN LAKE SERVICE, INC.**

*Analytical Laboratory and Environmental Services*

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

*Wisconsin Lab Cert. No. 721026460*

*WI DATCP 105-000330*


NO. 75704

| | |
|---|---|
| CLIENT | URS |
| ADDRESS | 10200 Innovation Drive Ste 500 |
| CITY / STATE / ZIP | Milwaukee WI 53226 |
| PROJECT DESCRIPTION / NO. | Xcel RI/FS 25633325 |
| QUOTATION NO. | |
| DNR FID # | |
| DNR LICENSE # | |
| CONTACT | Paul Sklar |
| PHONE | 414-831-4100 |
| PURCHASE ORDER NO. | |
| FAX | 414-831-4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS

| ITEM NO. | LAB USE ONLY | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | | VOC | SVOC | Cyanide | Total Metals | D.S. Metals | Hexa Chrome | | | | | | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | N | N | N | N | Y | Y | | | | | | |
| 1. | 364476 | NS-GW-MW9M-0305 | 3/16/05 | 1010 | GW | | X | X | X | X | X | X | | | | | | Hexachrome collected 1405 |
| 2. | 364477 | NS-GW-MW9B-0305 | | 1020 | | | X | X | X | X | X | X | | | | | | Hexachrome collected 1410 |
| 3. | 364478 | NS-GW-MW9C-0305 | | 1030 | | | X | X | X | X | X | X | | | | | | Hexachrome collected 1415 |
| 4. | 364479 | NS-GW-MW5A-0305 | | 1145 | | | X | X | X | X | X | X | | | | | | Hexachrome collected 1420 |
| 5. | 364480 | NS-GW-MW5B-0305 | | 1155 | | | X | X | X | X | X | X | | | | | | Hexachrome collected 1425 |
| 6. | 364481 | NS-GW-MW5C-0305 | | 1330 | | | X | X | X | X | X | X | | | | | | 2 VOC Vials |
| 7. | 364482 | NS-GW-MW10-0305 | | 1335 | | | X | X | X | X | X | X | | | | | | |
| 8. | 364483 | NS-GW-MW15-0305 | | 1350 | | | X | X | X | X | X | X | | | | | | |
| 9. | | NS-WQ-MW5C-MSMSD-0305 | | 1215 | | | | X | | | | | | | | | | collected from MW-5C |
| 10. | 364484 | NS-WQ-DUP2-0305 | | — | | | X | | X | X | X | X | | | | | | |
| | 364485 | NS-WQ-TRIP BLANK-0305 | ↓ | — | ↓ | | X | | | | | | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature) | CUSTODY SEAL NO. (IF ANY) | DATE/TIME |
| RELINQUISHED BY (signature) | RECEIVED BY (signature) | DATE/TIME 3/16/05 1500 |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT: UPS | DATE/TIME |

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature) | DATE/TIME 3-17-05 10:00 | CONDITION Good | TEMP. ONICE |
| COOLER # 54-10, 48-101, 50-23 | REMARKS & OTHER INFORMATION | | |
| | WDNR FACILITY NUMBER | E-MAIL ADDRESS | |

REPORT TO: Paul Sklar

INVOICE TO: Paul Sklar

PRESERVATIVE: N = nitric acid; NP = no preservative; S = sulfuric acid; Z = zinc acetate; M = methanol; OH = sodium hydroxide; HA = hydrochloric & ascorbic acid; H = hydrochloric acid

**IMPORTANT:**

1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

ORIGINAL COPY

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

Wisconsin Lab Cert. No. 721026460
WI DATCP 105-000330

**NORTHERN LAKE SERVICE, INC.**
Analytical Laboratory and Environmental Services
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060

NO. 75701

| | |
|---|---|
| CLIENT: URS Corp | |
| ADDRESS: 10200 Innovation Dr Ste 500 | |
| CITY: Milwaukee | STATE: WI / ZIP: 53226 |
| PROJECT DESCRIPTION / NO.: Xcel NFS / 25658375 | QUOTATION NO. |
| DNR FID # | DNR LICENSE # |
| CONTACT: Paul Sklar | PHONE: 414-831-4100 |
| PURCHASE ORDER NO. | FAX: 414-831-4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS

| ITEM NO. | NLS LAB. NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | | VOC (N) | SVOC (N) | Cyanide (N) | Total metals (N) | Diss metals (Yes) | Hexachrome (Yes) | | | | | | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 364486 | NS-GW-MW50-0305 | 3/16/05 | 1210 | GW | | X | X | X | X | X | X | | | | | | Hexachrome collected 1430 |
| 2. | 364258 | NS-GW-MW3-0305 | 3/16/05 | 1535 | | | | X | | | | | | | | | | Not enough volume collected on 3/15/05 |
| 3. | | | | | | | | | | | | | | | | | | |
| 4. | | | | | | | | | | | | | | | | | | |
| 5. | | | | | | | | | | | | | | | | | | |
| 6. | | | | | | | | | | | | | | | | | | |
| 7. | | | | | | | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature): [signature] | CUSTODY SEAL NO. (IF ANY) | DATE/TIME |
| RELINQUISHED BY (signature): [signature] | RECEIVED BY (signature) | DATE/TIME: 3/16/05 1500 |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT: UPS | DATE/TIME |

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature): [signature] | DATE/TIME: 3-17-05 10:00 | CONDITION: Good | TEMP.: on ICE |
| COOLER # | REMARKS & OTHER INFORMATION | | |
| | WDNR FACILITY NUMBER | E-MAIL ADDRESS | |

REPORT TO: Paul Sklar

INVOICE TO: Paul Sklar

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

**IMPORTANT:**
1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD


**NORTHERN LAKE SERVICE, INC.**

*Analytical Laboratory and Environmental Services*

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

*Wisconsin Lab Cert. No. 721026460*

*WI DATCP 105-000330*


NO. 75706

| | |
|---|---|
| CLIENT | URS |
| ADDRESS | 1020 Innovation Dr. Ste 500 |
| CITY / STATE / ZIP | Milwaukee / WI / 53226 |
| PROJECT DESCRIPTION / NO. | Xcel RIFS / 25658375 |
| QUOTATION NO. | |
| DNR FID # | |
| DNR LICENSE # | |
| CONTACT | Paul Sklar |
| PHONE | 414-831-4000 |
| PURCHASE ORDER NO. | |
| FAX | 414-831-4121 |

MATRIX.
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

ANALYZE PER ORDER OF ANALYSIS

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.

Indicate G or C if WW Sample is Grab or Composite.

| ITEM NO. | NLS LABEL NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | | | | | | | | | | | | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | N | N | N | N | Y | Y | | | | |
| | | | | | | | | DOC | SVOC | Cyanide | Total Metals | Dis. Metals | Hexavalent Chrome | | | | |
| 1. | 364744 | NS-GW-MW2C-0305 | 3/17/05 | 0845 | GW | | | X | X | X | X | X | X | | | | Hexavalent Chrome collected @ 1340 |
| 2. | 364745 | NS-GWMW2R-0305 | | 0900 | | | | X | X | X | X | X | X | | | | Hexavalent Chrome collected @ 1350 |
| 3. | 364746 | NS-GWMW2BR-0305 | | 0915 | | | | X | X | X | X | X | X | | | | Hexavalent Chrome collected @ 1345 |
| 4. | 364747 | NS-GW1W01-0305 | | 0955 | | | | X | X | X | X | X | X | | | | Hexavalent Chrome collected @ 1420 |
| 5. | 364748 | NS-GW-MW19A-0305 | | 1010 | | | | X | X | X | X | X | X | | | | Hexavalent Chrome collected @ 1405 |
| 6. | 364749 | NS-GW-MW19B-0305 | | 1020 | | | | X | X | X | X | X | X | | | | Hexavalent Chrome collected @ 1410 |
| 7. | 364750 | NS-GW1W18A-0305 | | 1100 | | | | X | X | X | X | X | X | | | | Hexavalent Chrome collected @ 1425 |
| 8. | 364751 | NS-GWMW18B-0305 | | 1050 | | | | X | X | X | X | X | X | | | | Hexavalent Chrome collected @ 1425 |
| 9. | 364752 | NS-GW1W02A-0305 | | 1305 | | | | X | X | X | X | X | X | | | | Hexavalent Chrome collected @ 1305 |
| 10. | 364753 | NS-GWMW22B-0305 | | 1315 | | | | X | X | X | X | X | X | | | | Hexavalent Chrome collected @ 1315 |

| | | |
|---|---|---|
| COLLECTED BY (signature) | CUSTODY SEAL NO. (IF ANY) | DATE/TIME |
| RELINQUISHED BY (signature) | RECEIVED BY (signature) | DATE/TIME 3-17-05 1500 |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT: UPS | DATE/TIME |

| REPORT TO | INVOICE TO |
|---|---|
| Paul Sklar | Paul Sklar |

| RECEIVED AT NLS BY (signature) | DATE/TIME | CONDITION | TEMP. |
|---|---|---|---|
| | 3-18-05 10:00 | | ON ICE |

COOLER # 48-71, 50-36, 48-175

REMARKS & OTHER INFORMATION

WDNR FACILITY NUMBER

E-MAIL ADDRESS

PRESERVATIVE: NP = no preservative; S = sulfuric acid; N = nitric acid; Z = zinc acetate; M = meth mol; OH = sodium hydroxide; HX = hydrochloric & ascorbic acid; H = hydrochloric acid

**IMPORTANT:**

1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

ORIGINAL COPY

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD


**NORTHERN LAKE SERVICE, INC.**

*Analytical Laboratory and Environmental Services*

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

*Wisconsin Lab Cert. No. 721026460*

*WI DATCP 105-000330*


NO. 75707

| | |
|---|---|
| CLIENT | URS |
| ADDRESS | 1020 Innovation Dr. Ste. 500 |
| CITY / STATE / ZIP | Milwaukee / WI / 53226 |
| PROJECT DESCRIPTION / NO. | Xcel RIFs / 25058375 |
| QUOTATION NO. | |
| DNR FID # | |
| DNR LICENSE # | |
| CONTACT | Paul Sklar |
| PHONE | 414-831-4100 |
| PURCHASE ORDER NO. | |
| FAX | 414-831-4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS

| ITEM NO. | NLS Lab No. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | VOC | SVOC | Cyanide | Total metals | Diss. metals | Hexachrome | | | | | | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | N | N | N | N | Y | Y | | | | | | |
| 1. | 364754 | NS-GWMW14-0305 | 3/17/05 | 1325 | GW | X | X | X | X | X | X | | | | | | Hexachrome collected at 1325 |
| 2. | 364755 | NS-WQDup3-0305 | ↓ | | ↓ | X | X | X | X | X | X | | | | | | |
| 3. | 364756 | NS-WQTripBlank3-0305 | ↓ | | | X | | | | | | | | | | | |
| 4. | | | | | | | | | | | | | | | | | |
| 5. | | | | | | | | | | | | | | | | | |
| 6. | | | | | | | | | | | | | | | | | |
| 7. | | | | | | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature) | CUSTODY SEAL NO. (IF ANY) | DATE/TIME |
| RELINQUISHED BY (signature) | RECEIVED BY (signature) | DATE/TIME 3-17-05 1500 |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT UPS | DATE/TIME |

REPORT TO: Paul Sklar

INVOICE TO: Paul Sklar

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature) | DATE/TIME 3-18-05 10:00 | CONDITION | TEMP. ON ICE |
| COOLER # | REMARKS & OTHER INFORMATION | | |
| | WDNR FACILITY NUMBER | E-MAIL ADDRESS | |

PRESERVATIVE: NP = no preservative; S = sulfuric acid; N = nitric acid; Z = zinc acetate; M = methanol; OH = sodium hydroxide; HA = hydrochloric & ascorbic acid; H = hydrochloric acid

IMPORTANT:
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3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AG STANDARD TERMS & CONDITIONS ON REVERSE.

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD

**NORTHERN LAKE SERVICE, INC.**
*Analytical Laboratory and Environmental Services*
400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060

*Wisconsin Lab Cert. No. 721026460*
*WI DATCP 105-000330*

NO. 75708

| | |
|---|---|
| CLIENT | [illegible] |
| ADDRESS | 10200 Innovation Dr Ste 500 |
| CITY | Milwaukee |
| STATE | WI |
| ZIP | 53226 |
| PROJECT DESCRIPTION / NO. | Xcel RIFS / 25688375 |
| QUOTATION NO. | |
| DNR FID # | |
| DNR LICENSE # | |
| CONTACT | Paul Sklar |
| PHONE | 414-531-4100 |
| PURCHASE ORDER NO. | |
| FAX | 414-531-4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS

| ITEM NO. | NLS LAB NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | | VOC (N) | SVOC (N) | Cyanide (N) | Total metals (N) | Diss metals (Y) | Hexachrome (Y) | | | | | | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 364810 | NS-GWMW17-0305 | 3/18/05 | 0745 | GW | | X | X | X | X | X | X | | | | | | |
| 2. | 364811 | NS-GWMW-17A-0305 | ↓ | 0800 | ↓ | | X | X | X | X | X | X | | | | | | |
| 3. | 364812 | NS-GWMW08-0305 | ↓ | 0830 | ↓ | | X | X | X | X | X | X | | | | | | only 1 1-L amber collected for SVOCs |
| 4. | 364813 | NS-GWMW08A-0305 | ↓ | 0845 | ↓ | | X | X | X | X | X | X | | | | | | |
| 5. | 364814 | NS-WQDup4-0305 | ↓ | | ↓ | | X | X | X | X | X | X | | | | | | |
| 6. | 364815 | NS-WQTripBlank4-0305 | ↓ | | | | X | | | | | | | | | | | |
| 7. | | | | | | | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature) [signature] | CUSTODY SEAL NO. (IF ANY) | DATE/TIME |
| RELINQUISHED BY (signature) [signature] | RECEIVED BY (signature) [signature] | DATE/TIME |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT: URS Corp | DATE/TIME |

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature) [signature] | DATE/TIME 3-19-05 12:07 | CONDITION Ok cer | TEMP. |
| COOLER # 48-37 | REMARKS & OTHER INFORMATION | | |
| | WDNR FACILITY NUMBER | E-MAIL ADDRESS | |

REPORT TO: Paul Sklar

INVOICE TO: Paul Sklar

PRESERVATIVE
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

**IMPORTANT**
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4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

ORIGINAL COPY

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD


**NORTHERN LAKE SERVICE, INC.**

*Analytical Laboratory and Environmental Services*

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

*Wisconsin Lab Cert. No. 721026460*

*WI DATCP 105-000330*


NO. 75710

| | |
|---|---|
| CLIENT | ARS |
| ADDRESS | 10200 Innovation Dr. Ste 500 |
| CITY / STATE / ZIP | Milwaukee / WI / 53226 |
| PROJECT DESCRIPTION / NO. | Xcel RIFS / 25688375 |
| QUOTATION NO. | |
| DNR FID # | |
| DNR LICENSE # | |
| CONTACT | Paul Sklar |
| PHONE | 414-831-4106 |
| PURCHASE ORDER NO. | |
| FAX | 414-831-4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

| ITEM NO. | NLS LAB NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | ANALYZE PER ORDER OF ANALYSIS | VOC (N) | SVOC (N) | Cyanide (N) | Total metals (N) | Diss. metals (Y) | Hexachrome (Y) | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | 365073 | NS-GWMW01NET-0305 | 3-22-05 | 0900 | GW | | X | X | X | X | ✓ | X | Collected hexachrome at 1340 |
| 2. | 365074 | NS-GWMW02NET-0305 | | 0930 | | | X | X | X | X | X | X | Collected Hexachrome at 1325 |
| 3. | 365075 | NS-GWMW02ANET-0305 | | 1300 | | | X | X | X | X | X | X | |
| 4. | 365076 | NS-GWMW02BNET-0305 | | 1330 | | | X | X | X | X | X | X | |
| 5. | 365077 | NS-GWMW03NET-0305 | | 1000 | | | X | X | X | X | X | X | Collected Hexachrome at 1350 |
| 6. | 365078 | NS-GWMW11-0305 | | 1430 | | | X | X | X | X | X | X | |
| 7. | 365079 | NS-WQDup5-0305 | | | | | X | X | X | X | X | X | |
| 8. | 365080 | NS-WQTripBlank-0305 | | | | | X | | | | | | |
| 9. | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature) | CUSTODY SEAL NO. (IF ANY) | DATE/TIME 3-22-05 1500 |
| RELINQUISHED BY (signature) | RECEIVED BY (signature) | DATE/TIME |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT: UPS | DATE/TIME |

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature) | DATE/TIME 3/23/05 10:15 | CONDITION | TEMP. on ICE |
| COOLER # 48-130, 48-60 | REMARKS & OTHER INFORMATION | | |
| | WDNR FACILITY NUMBER | E-MAIL ADDRESS | |

REPORT TO: Paul Sklar

INVOICE TO: Paul Sklar

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

**IMPORTANT:**

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2. PLEASE USE ONE LINE PER SAMPLE. **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

ORIGINAL COPY

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD


**NORTHERN LAKE SERVICE, INC.**

*Analytical Laboratory and Environmental Services*

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

*Wisconsin Lab Cert. No. 721026460*

*WI DATCP 105-000330*


NO. 75709

| | |
|---|---|
| CLIENT | XRS Corp |
| ADDRESS | 10200 Innovation Dr ste 500 |
| CITY / STATE / ZIP | Milwaukee / WI / 53226 |
| PROJECT DESCRIPTION / NO. | Xcel RIFS / 25258375 |
| QUOTATION NO. | |
| DNR FID # | |
| DNR LICENSE # | |
| CONTACT | Paul Sklar |
| PHONE | 414-831-4100 |
| PURCHASE ORDER NO. | |
| FAX | 414-831-4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

ANALYZE PER ORDER OF ANALYSIS

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

| ITEM NO. | NLS LAB NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | VOC | SVOC | Cyanide | Total metals | Diss. metals | Hexachrome | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | N | N | N | N | Y | Y | |
| 1. | 364910 | NS-GWMW04-0305 | 3/21/05 | 1300 | GW | X | X | X | X | X | X | |
| 2. | 364911 | NS-GWMW04A-0305 | | 1310 | | X | X | X | X | X | X | |
| 3. | 364912 | NS-WPAW02-0305 | | 1340 | | X | X | X | X | X | X | |
| 4. | 364913 | NS-WPAW01-0305 | | 1415 | | X | X | X | X | X | X | |
| 5. | | NS-WPAW02MSMSD-0305 | | 1340 | | X | X | X | X | X | X | |
| 6. | 364914 | NS-WQTripBlank5-0305 | | | | X | | | | | | |
| 7. | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature) | CUSTODY SEAL NO. (IF ANY) | DATE/TIME |
| RELINQUISHED BY (signature) | RECEIVED BY (signature) | DATE/TIME 3-21-05 1500 |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT UPS | DATE/TIME |

REPORT TO: Paul Sklar

INVOICE TO: Paul Sklar

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature) | DATE/TIME 3-22-05 10:00 | CONDITION | TEMP. On ICE |
| COOLER # 50-4 | REMARKS & OTHER INFORMATION | | |
| | WDNR FACILITY NUMBER | E-MAIL ADDRESS | |

PRESERVATIVE: NP = no preservative; S = sulfuric acid; N = nitric acid; Z = zinc acetate; M = methanol; OH = sodium hydroxide; HA = hydrochloric & ascorbic acid; H = hydrochloric acid

**IMPORTANT:**

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ORIGINAL COPY

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD


**NORTHERN LAKE SERVICE, INC.**

*Analytical Laboratory and Environmental Services*

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

*Wisconsin Lab Cert. No. 721026460*

*WI DATCP 105-000330*


NO. 75711

| | |
|---|---|
| CLIENT | WPS Corp |
| ADDRESS | 10201 Innovation Dr Ste 500 |
| CITY / STATE / ZIP | Milwaukee / WI / 53226 |
| PROJECT DESCRIPTION / NO. | Xcel KIFS / 25688375 |
| QUOTATION NO. | |
| DNR FID # | |
| DNR LICENSE # | |
| CONTACT | Paul Sklar |
| PHONE | 414-831-4100 |
| PURCHASE ORDER NO. | |
| FAX | 414-831-4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS

| ITEM NO. | NLS LAB NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | | VOC | SVOC | Cyanide | Total metals | Diss. metals | Hexachrome | | | | | | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | N | N | N | N | Y | Y | | | | | | |
| 1. | 365363 | NS-GWMW24-0305 | 3/23/05 | 1015 | GW | | X | X | X | X | X | X | | | | | | collected hexachrome at 1340 |
| 2. | 365364 | NS-GWMW24A-0305 | | 1030 | | | X | X | X | X | X | X | | | | | | collected hexachrome at 1345 |
| 3. | 365365 | NS-GWMW25-0305 | | 0900 | | | X | X | X | X | X | X | | | | | | collected hexachrome at 1350 |
| 4. | 365366 | NS-GWMW25A-0305 | | 1000 | | | X | X | X | X | X | X | | | | | | collected hexachrome at 1355 |
| 5. | 365367 | NS-GWMW26-0305 | | 1100 | | | X | X | X | X | X | X | | | | | | collected hexachrome at 1405 |
| 6. | 365368 | NS-GWMW26A-0305 | | 1130 | | | X | X | X | X | X | X | | | | | | collected hexachrome at 1410 |
| 7. | 365369 | NS-GWMW23A-0305 | | 1250 | | | X | X | X | X | X | X | | | | | | |
| 8. | 365370 | NS-GWMW20A-0305 | | 1445 | | | X | X | X | X | X | X | | | | | | |
| 9. | 365371 | NS-WQTrip6-0305 | | | | | X | X | X | X | X | X | | | | | | |
| 10. | 365372 | NS-WQTripBlank7-0305 | ↓ | | | | X | | | | | | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature) | CUSTODY SEAL NO. (IF ANY) | DATE/TIME 3/23/05 1500 |
| RELINQUISHED BY (signature) | RECEIVED BY (signature) | DATE/TIME |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT: WPS | DATE/TIME |

REPORT TO: Paul Sklar

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature) | DATE/TIME 03/24/05 10:15 | CONDITION | TEMP. ON ICE |
| COOLER # 48-41, 48-140, 50-47 | REMARKS & OTHER INFORMATION | | |
| | WDNR FACILITY NUMBER | E-MAIL ADDRESS | |

INVOICE TO: Paul Sklar

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

**IMPORTANT:**

1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

ORIGINAL COPY

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD


**NORTHERN LAKE SERVICE, INC.**

*Analytical Laboratory and Environmental Services*

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

*Wisconsin Lab Cert. No. 721026460*

*WI DATCP 105-000330*


NO. 75713

| | |
|---|---|
| CLIENT | URS |
| ADDRESS | 10200 Innovation Dr, Ste 500 |
| CITY / STATE / ZIP | Milwaukee / WI / 53226 |
| PROJECT DESCRIPTION / NO. | Xcel RIFS / 25688375 |
| QUOTATION NO. | |
| DNR FID # | |
| DNR LICENSE # | |
| CONTACT | Paul Sklar |
| PHONE | 414-831-4100 |
| PURCHASE ORDER NO. | |
| FAX | 414-831-4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS

| ITEM NO. | NLS LAB NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | | VOC | SVOC | Cyanide | Total metals | Diss. metals | Hexachrome | | | | | | | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | N | N | N | N | Y | Y | | | | | | | |
| 1. | 365501 | NS-GWMW23B-0305 | 3/24/05 | 0830 | GW | | X | X | X | X | X | X | | | | | | | Collected hexachrome at 1300 |
| 2. | 365502 | NS-GWMW07R-0305 | | 1330 | | | X | X | X | X | X | X | | | | | | | |
| 3. | 365503 | NS-GWMW07A-0305 | | 1015 | | | X | X | X | X | X | X | | | | | | | Collected hexachrome at 1320 |
| 4. | 365504 | NS-GWMW07B-0305 | | 0930 | | | X | X | X | X | X | X | | | | | | | collected hexachrome at 1310 |
| 5. | | NS-WQMW07BMSMSD-0305 | | 0930 | | | | X | | | | | | | | | | | collected from MW-7B |
| 6. | 365505 | NS-GWTW12-0305 | | 1430 | | | X | X | X | X | X | X | | | | | | | |
| 7. | 365506 | NS-WQTripBlank8-0305 | | | | | X | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature) | CUSTODY SEAL NO. (IF ANY) | DATE/TIME |
| RELINQUISHED BY (signature) | RECEIVED BY (signature) | DATE/TIME 3.24.05 1440 |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT UPS | DATE/TIME |

REPORT TO: Paul Sklar

INVOICE TO: Paul Sklar

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature) Deirdre Wilson | DATE/TIME 3/25/05 9:50 | CONDITION on ice | TEMP. |
| COOLER # 50.50, 50.3 | REMARKS & OTHER INFORMATION | | |
| | WDNR FACILITY NUMBER | E-MAIL ADDRESS | |

PRESERVATIVE: NP = no preservative; S = sulfuric acid; N = nitric acid; Z = zinc acetate; M = methanol; OH = sodium hydroxide; HA = hydrochloric & ascorbic acid; H = hydrochloric acid

**IMPORTANT:**

1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

ORIGINAL COPY

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD


**NORTHERN LAKE SERVICE, INC.**

*Analytical Laboratory and Environmental Services*

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

*Wisconsin Lab Cert. No. 721026460*

*WI DATCP 105-000330*


NO. 75714

| | |
|---|---|
| CLIENT | LRS |
| ADDRESS | 16200 Innovation Dr Ste 502 |
| CITY / STATE / ZIP | Milwaukee / WI / 53226 |
| PROJECT DESCRIPTION / NO. | Xcel NRFS / 25685375 |
| QUOTATION NO. | |
| DNR FID # | |
| DNR LICENSE # | |
| CONTACT | Paul Sklar |
| PHONE | 414-831-4100 |
| PURCHASE ORDER NO. | |
| FAX | 414-831-4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

ANALYZE PER ORDER OF ANALYSIS

| ITEM NO. | NLS LAB NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | VOC | SVOC | Cyanide | Total metals | Diss. metals | Hexachrome | | | | | | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Y | Y | Y | Y | N | N | | | | | | |
| 1. | 365519 | NS-GW MW 10-0305 | 3/25/05 | 0740 | GW | X | X | X | X | X | X | | | | | | |
| 2. | 365520 | NS-GW MW 10A-0305 | | 0750 | | X | X | X | X | X | X | | | | | | |
| 3. | 365521 | NS-GW MW 21A-0305 | | 0830 | | X | X | X | X | X | X | | | | | | |
| 4. | 365522 | NS-WQ Dup 7-0305 | | | | X | X | X | X | X | X | | | | | | |
| 5. | 365523 | NS-WQ Trip Blank 7-0305 | | | | X | | | | | | | | | | | |
| 6. | | | | | | | | | | | | | | | | | |
| 7. | | | | | | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | |

| | | |
|---|---|---|
| COLLECTED BY (signature) | CUSTODY SEAL NO. (IF ANY) | DATE/TIME |
| RELINQUISHED BY (signature) | RECEIVED BY (signature) | DATE/TIME 3/25/05 1210 |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT NRS / NLS | DATE/TIME |

REPORT TO: Paul Sklar

INVOICE TO: Paul Sklar

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature) | DATE/TIME 3-25-05 / 1315 | CONDITION GOOD | TEMP. ON ICE |
| COOLER # 50 48 | REMARKS & OTHER INFORMATION | | |
| | WDNR FACILITY NUMBER | E-MAIL ADDRESS | |

PRESERVATIVE:
NP = no preservative
S = sulfuric acid
N = nitric acid
Z = zinc acetate
M = methanol
OH = sodium hydroxide
HA = hydrochloric & ascorbic acid
H = hydrochloric acid

**IMPORTANT:**

1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGR[illegible] STANDARD TERMS & CONDITIONS ON REVERSE.

ORIG[illegible] COPY

NORTHERN LAKE SERVICE, INC.
Analytical Laboratory and Environmental Services
400 North Lake Avenue - Crandon, WI 54520
Ph: (715)-478-2777 Fax: (715)-478-3060

# ANALYTICAL REPORT

WDNR Laboratory ID No. 721026460
WDATCP Laboratory Certification No. 105-330
EPA Laboratory ID No. WI00034



Client: URS Corporation (Milwaukee)
Attn: Paul Sklar
10200 West Innovation Drive #500
Milwaukee,WI 53226 4827

NLS Project: 91332
NLS Customer: 91206
Fax: 414 831 4101 Phone: 414 831 4100

Project: Xcel/RIFS/25688375

**NS-GWPDB01-0705 NLS ID: 379032**
Ref. Line 1 COC 77748 NS-GWPDB01-0705 Matrix: GW
Collected: 07/19/05 07:00 Received: 07/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 07/27/05 | SW846 8260 | 721026460 |

**NS-GWPDB02-0705 NLS ID: 379033**
Ref. Line 2 COC 77748 NS-GWPDB02-0705 Matrix: GW
Collected: 07/19/05 07:10 Received: 07/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 07/25/05 | SW846 8260 | 721026460 |

**NS-GWPDB03-0705 NLS ID: 379034**
Ref. Line 3 COC 77748 NS-GWPDB03-0705 Matrix: GW
Collected: 07/19/05 07:20 Received: 07/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 07/25/05 | SW846 8260 | 721026460 |

**NS-GWPDB04-0705 NLS ID: 379035**
Ref. Line 4 COC 77748 NS-GWPDB04-0705 Matrix: GW
Collected: 07/19/05 08:00 Received: 07/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 07/25/05 | SW846 8260 | 721026460 |

**NS-GWPDB05-0705 NLS ID: 379036**
Ref. Line 5 COC 77748 NS-GWPDB05-0705 Matrix: GW
Collected: 07/19/05 08:10 Received: 07/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 07/25/05 | SW846 8260 | 721026460 |

**NS-GWPDB06-0705 NLS ID: 379037**
Ref. Line 6 COC 77748 NS-GWPDB06-0705 Matrix: GW
Collected: 07/19/05 08:20 Received: 07/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 07/22/05 | SW846 8260 | 721026460 |

**NS-WQDUP01-0705 NLS ID: 379038**
Ref. Line 7 COC 77748 NS-WQDUP01-0705 Matrix: GW
Collected: 07/19/05 00:00 Received: 07/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 07/25/05 | SW846 8260 | 721026460 |

**NS-WQTripBlank1-0705 NLS ID: 379039**
Ref. Line 8 COC 77748 NS-WQTripBlank1-0705 Matrix: TB
Collected: 07/19/05 00:00 Received: 07/21/05

| Parameter | Result | Units | Dilution | LOD | LOQ | Analyzed | Method | Lab |
|---|---|---|---|---|---|---|---|---|
| VOCs (water) by EPA 8260 | see attached | | | | | 07/22/05 | SW846 8260 | 721026460 |

**NORTHERN LAKE SERVICE, INC.**
*Analytical Laboratory and Environmental Services*
**400 North Lake Avenue - Crandon, WI 54520**
**Ph: (715)-478-2777 Fax: (715)-478-3060**

# ANALYTICAL REPORT

**WDNR Laboratory ID No. 721026460**
**WDATCP Laboratory Certification No. 105-330**
**EPA Laboratory ID No. WI00034**



**Client:** **URS Corporation (Milwaukee)**
**Attn: Paul Sklar**
**10200 West Innovation Drive #500**
**Milwaukee,WI 53226 4827**

**NLS Project: 91332**
**NLS Customer: 91206**

**Fax: 414 831 4101** **Phone: 414 831 4100**

**Project:** **Xcel/RIFS/25688375**

Values in brackets represent results greater than or equal to the LOD but less than the LOQ and are within a region of "Less-Certain Quantitation". Results greater than or equal to the LOQ are considered to be in the region of "Certain Quantitation". LOD and/or LOQ tagged with an asterisk(*) are considered Reporting Limits. All LOD/LOQs adjusted to reflect dilution.

LOD = Limit of Detection LOQ = Limit of Quantitation ND = Not Detected 1000 ug/L = 1 mg/L
DWB = Dry Weight Basis NA = Not Applicable %DWB = (mg/kg DWB) / 10000
MCL = Maximum Contaminant Levels for Drinking Water Samples

Reviewed by: _____

Authorized by:
R. T. Krueger
President

# ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 91332**
**Project Description: Xcel/RIFS 25688375**
**Project Title:** **Template: SAT2NSP Printed: 08/11/2005 14:15**

**Sample: 379032 NS-GWPDB01-0705** **Collected: 07/19/05** **Analyzed: 07/25/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 600 | ug/L | 50 | 7.1 | 24 |
| sec-Butylbenzene | ND | ug/L | 25 | 3.4 | 11 |
| Ethylbenzene | 57 | ug/L | 25 | 4.2 | 14 |
| ortho-Xylene | 34 | ug/L | 25 | 5.4 | 18 |
| Styrene | ND | ug/L | 25 | 3.7 | 12 |
| Toluene | [13] | ug/L | 25 | 6.2 | 21 |
| 1,2,4-Trimethylbenzene | 20 | ug/L | 25 | 3.9 | 13 |
| 1,3,5-Trimethylbenzene | [4.2] | ug/L | 25 | 3.7 | 12 |
| meta,para-Xylene | [16] | ug/L | 25 | 8.7 | 29 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 25 | 5.1 | 17 |
| Dibromofluoromethane (SURR**) | 97% | | | | |
| Toluene-d8 (SURR**) | 100% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 98% | | | | |

**Sample: 379033 NS-GWPDB02-0705** **Collected: 07/19/05** **Analyzed: 07/25/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 550 | ug/L | 40 | 5.7 | 19 |
| sec-Butylbenzene | 110 | ug/L | 40 | 5.4 | 18 |
| Ethylbenzene | 27 | ug/L | 40 | 6.7 | 22 |
| ortho-Xylene | 74 | ug/L | 40 | 8.6 | 29 |
| Styrene | ND | ug/L | 40 | 5.8 | 19 |
| Toluene | [27] | ug/L | 40 | 10 | 33 |
| 1,2,4-Trimethylbenzene | 52 | ug/L | 40 | 6.2 | 21 |
| 1,3,5-Trimethylbenzene | 41 | ug/L | 40 | 5.9 | 20 |
| meta,para-Xylene | [20] | ug/L | 40 | 14 | 46 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 40 | 8.2 | 27 |
| Dibromofluoromethane (SURR**) | 100% | | | | |
| Toluene-d8 (SURR**) | 104% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 97% | | | | |

**Sample: 379034 NS-GWPDB03-0705** **Collected: 07/19/05** **Analyzed: 07/25/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 630 | ug/L | 80 | 11 | 38 |
| sec-Butylbenzene | ND | ug/L | 80 | 11 | 36 |
| Ethylbenzene | 74 | ug/L | 80 | 13 | 45 |
| ortho-Xylene | [24] | ug/L | 80 | 17 | 58 |
| Styrene | ND | ug/L | 80 | 12 | 39 |
| Toluene | ND | ug/L | 80 | 20 | 66 |
| 1,2,4-Trimethylbenzene | [22] | ug/L | 80 | 12 | 41 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 80 | 12 | 39 |
| meta,para-Xylene | ND | ug/L | 80 | 28 | 93 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 80 | 16 | 55 |
| Dibromofluoromethane (SURR**) | 99% | | | | |
| Toluene-d8 (SURR**) | 101% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 93% | | | | |

**ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)**

**Customer: URS Corporation (Milwaukee)** **NLS Project: 91332**

**Project Description: Xcel/RIFS/25688375**

**Project Title:** **Template: SAT2NSP** **Printed: 08/11/2005 14:15**

**Sample: 379035** **NS-GWPDB04-0705** **Collected: 07/19/05** **Analyzed: 07/25/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 140 | ug/L | 12.5 | 1.8 | 5.9 |
| sec-Butylbenzene | ND | ug/L | 12.5 | 1.7 | 5.6 |
| Ethylbenzene | 8.0 | ug/L | 12.5 | 2.1 | 7.0 |
| ortho-Xylene | [6.9] | ug/L | 12.5 | 2.7 | 9.0 |
| Styrene | ND | ug/L | 12.5 | 1.8 | 6.1 |
| Toluene | [3.1] | ug/L | 12.5 | 3.1 | 10 |
| 1,2,4-Trimethylbenzene | 6.6 | ug/L | 12.5 | 1.9 | 6.5 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 12.5 | 1.8 | 6.1 |
| meta,para-Xylene | ND | ug/L | 12.5 | 4.4 | 15 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 12.5 | 2.6 | 8.5 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 108% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 101% | | | | |

**Sample: 379036** **NS-GWPDB05-0705** **Collected: 07/19/05** **Analyzed: 07/25/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 2.8 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 103% | | | | |
| Toluene-d8 (SURR**) | 104% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 98% | | | | |

**Sample: 379037** **NS-GWPDB06-0705** **Collected: 07/19/05** **Analyzed: 07/22/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | 0.86 | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 95% | | | | |
| Toluene-d8 (SURR**) | 97% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 91% | | | | |

# ANALYTICAL RESULTS: VOC's by EPA 8260 - Water - (Saturn 2)

**Customer: URS Corporation (Milwaukee)** **NLS Project: 91332**
**Project Description: Xcel/RIFS 25688375**
**Project Title:** **Template: SAT2NSP Printed: 08/11/2005 14:15**

**Sample: 379038 NS-WQDUP01-0705** **Collected: 07/19/05** **Analyzed: 07/25/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | 720 | ug/L | 80 | 11 | 38 |
| sec-Butylbenzene | ND | ug/L | 80 | 11 | 36 |
| Ethylbenzene | 92 | ug/L | 80 | 13 | 45 |
| ortho-Xylene | [28] | ug/L | 80 | 17 | 58 |
| Styrene | ND | ug/L | 80 | 12 | 39 |
| Toluene | ND | ug/L | 80 | 20 | 66 |
| 1,2,4-Trimethylbenzene | [26] | ug/L | 80 | 12 | 41 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 80 | 12 | 39 |
| meta,para-Xylene | ND | ug/L | 80 | 28 | 93 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 80 | 16 | 55 |
| Dibromofluoromethane (SURR**) | 95% | | | | |
| Toluene-d8 (SURR**) | 101% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 92% | | | | |

**Sample: 379039 NS-WQTripBlank1-0705** **Collected: 07/19/05** **Analyzed: 07/22/05 -**

| ANALYTE NAME | RESULT | UNITS | DIL | LOD | LOQ |
|---|---|---|---|---|---|
| Benzene | ND | ug/L | 1 | 0.14 | 0.48 |
| sec-Butylbenzene | ND | ug/L | 1 | 0.14 | 0.45 |
| Ethylbenzene | ND | ug/L | 1 | 0.17 | 0.56 |
| ortho-Xylene | ND | ug/L | 1 | 0.22 | 0.72 |
| Styrene | ND | ug/L | 1 | 0.15 | 0.49 |
| Toluene | [0.78] | ug/L | 1 | 0.25 | 0.83 |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1 | 0.16 | 0.52 |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1 | 0.15 | 0.49 |
| meta,para-Xylene | ND | ug/L | 1 | 0.35 | 1.2 |
| 1,2,3-Trimethylbenzene | ND | ug/L | 1 | 0.21 | 0.68 |
| Dibromofluoromethane (SURR**) | 96% | | | | |
| Toluene-d8 (SURR**) | 98% | | | | |
| 1-Bromo-4-Fluorobenzene (SURR**) | 93% | | | | |

** Surrogates are used to evaluate a method's Quality Control.

# SAMPLE COLLECTION AND CHAIN OF CUSTODY RECORD


**NORTHERN LAKE SERVICE, INC.**

*Analytical Laboratory and Environmental Services*

400 North Lake Avenue • Crandon, WI 54520-1298

Tel: (715) 478-2777 • Fax: (715) 478-3060

*Wisconsin Lab Cert. No. 721026460*

*WI DATCP 105-000330*


NO. 77748

| | |
|---|---|
| CLIENT | URS Corp. |
| ADDRESS | 10200 Innovation Dr. Ste 500 |
| CITY / STATE / ZIP | Milwaukee WI 53226 |
| PROJECT DESCRIPTION / NO. | Xcel RIFS / 25688375 |
| QUOTATION NO. | |
| DNR FID # | |
| DNR LICENSE # | |
| CONTACT | Paul Sklar |
| PHONE | 414-831-4100 |
| PURCHASE ORDER NO. | |
| FAX | 414-831-4101 |

MATRIX:
SW = surface water
WW = waste water
GW = groundwater
DW = drinking water
TIS = tissue
AIR = air
SOIL = soil
SED = sediment
PROD = product
SL = sludge
OTHER

USE BOXES BELOW: Indicate Y or N if GW Sample is field filtered.
Indicate G or C if WW Sample is Grab or Composite.

| ITEM NO. | NLS LAB. NO. | SAMPLE ID | COLLECTION DATE | COLLECTION TIME | MATRIX (See above) | ANALYZE PER ORDER OF ANALYSIS: VOCs (8260) | ZG | COLLECTION REMARKS (i.e. DNR Well ID #) |
|---|---|---|---|---|---|---|---|---|
| 1. | 379032 | NS-GWPDB01-0705 | 7-19-05 | 0700 | GW | X | | |
| 2. | 379033 | NS-GWPDB02-0705 | | 0710 | | X | | |
| 3. | 379034 | NS-GWPDB03-0705 | | 0720 | | X | | |
| 4. | 379035 | NS-GWPDB04-0705 | | 0800 | | X | | |
| 5. | 379036 | NS-GWPDB05-0705 | | 0810 | | X | | |
| 6. | 379037 | NS-GWPDB06-0705 | | 0820 | | X | | |
| 7. | 379038 | NS-WQDUPO1-0705 | | | | X | | |
| 8. | 379039 | NS-WQTripBlank1-1705 | | | | X | | |
| 9. | | | | | | | | |
| 10. | | | | | | | | |

ONE SAMPLE PER LINE

| | | |
|---|---|---|
| COLLECTED BY (signature) | CUSTODY SEAL NO. (IF ANY) | DATE/TIME |
| RELINQUISHED BY (signature) | RECEIVED BY (signature) | DATE/TIME 7-20-05 0700 |
| DISPATCHED BY (signature) | METHOD OF TRANSPORT: Dunham's | DATE/TIME |

| | | | |
|---|---|---|---|
| RECEIVED AT NLS BY (signature): PMG Wiegand | DATE/TIME: 7-21-5 10:45 | CONDITION: nice | TEMP. |
| COOLER # 34-81 | REMARKS & OTHER INFORMATION: Dunham | | |
| | WDNR FACILITY NUMBER | E-MAIL ADDRESS | |

PRESERVATIVE: N = nitric acid; OH = sodium hydroxide; NP = no preservative; Z = zinc acetate; HA = hydrochloric & ascorbic acid; S = sulfuric acid; M = methanol; H = hydrochloric acid

REPORT TO: Paul Sklar, Dave Trainor - Newfield

INVOICE TO: Paul Sklar

**IMPORTANT:**

1. TO MEET REGULATORY REQUIREMENTS, THIS FORM **MUST** BE COMPLETED IN DETAIL AND INCLUDED IN THE COOLER CONTAINING THE SAMPLES DESCRIBED.
2. PLEASE USE ONE LINE PER SAMPLE, **NOT** PER BOTTLE.
3. RETURN THIS FORM WITH SAMPLES - CLIENT MAY KEEP PINK COPY.
4. PARTIES COLLECTING SAMPLE, LISTED AS **REPORT TO** AND LISTED AS **INVOICE TO** AGREE TO STANDARD TERMS & CONDITIONS ON REVERSE.

ORIGINAL COPY